Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091319\
Data File : BN007641.D
Acq On : 13 Sep 2019 23:36
Operator : HP/JU
Sample : PB123061BSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB123061BSD

Quant Time: Sep 14 05:13:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 12 14:27:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	9001	0.40	ng		0.00
7) Naphthalene-d8	10.48	136	33759	0.40	ng		-0.01
13) Acenaphthene-d10	14.33	164	17765	0.40	ng		0.00
19) Phenanthrene-d10	17.08	188	34405	0.40	ng		0.00
27) Chrysene-d12	21.27	240	31453	0.40	ng		0.00
34) Perylene-d12	23.49	264	28703	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.33	112	9074	0.31	ng		0.00
5) Phenol-d6	6.89	99	12088	0.35	ng		0.00
8) Nitrobenzene-d5	8.85	82	8694	0.32	ng		-0.01
11) 2-Methylnaphthalene-d10	12.08	152	21341	0.37	ng		0.00
14) 2,4,6-Tribromophenol	15.82	330	1737	0.26	ng		0.00
15) 2-Fluorobiphenyl	12.96	172	26527	0.34	ng		0.00
25) Fluoranthene-d10	19.11	212	37403	0.34	ng		0.00
29) Terphenyl-d14	19.72	244	31003	0.37	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.33	88	2897	0.269	ng	#	82
3) n-Nitrosodimethylamine	3.03	42	6804	1.390	ng	#	1
6) bis(2-Chloroethyl)ether	7.15	93	8682	0.329	ng		94
9) Naphthalene	10.53	128	32132	0.332	ng		100
10) Hexachlorobutadiene	10.84	225	6004	0.308	ng	#	99
12) 2-Methylnaphthalene	12.15	142	21260	0.327	ng		100
16) Acenaphthylene	14.05	152	26005	0.281	ng		100
17) Acenaphthene	14.40	154	18172	0.302	ng		99
18) Fluorene	15.39	166	22356	0.294	ng		99
20) 4-Bromophenyl-phenylether	16.28	248	6831	0.321	ng		92
21) Hexachlorobenzene	16.40	284	7394	0.325	ng		99
22) Pentachlorophenol	16.74	266	3525	0.597	ng		97
23) Phenanthrene	17.12	178	35880	0.331	ng		100
24) Anthracene	17.20	178	29864	0.310	ng		100
26) Fluoranthene	19.14	202	39468	0.311	ng		99
28) Pyrene	19.50	202	39100	0.342	ng		99
30) Benzo(a)anthracene	21.25	228	34274	0.307	ng		100
31) Chrysene	21.30	228	40042	0.345	ng		99
32) Bis(2-ethylhexyl)phthalate	21.21	149	9837	0.260	ng		100
33) Indeno(1,2,3-cd)pyrene	25.70	276	41125	0.332	ng		100
35) Benzo(b)fluoranthene	22.82	252	37415	0.359	ng		97
36) Benzo(k)fluoranthene	22.87	252	37975	0.356	ng		99
37) Benzo(a)pyrene	23.39	252	31903	0.345	ng		96
38) Dibenzo(a,h)anthracene	25.72	278	34093	0.352	ng		99
39) Benzo(g,h,i)perylene	26.38	276	36508	0.381	ng		99

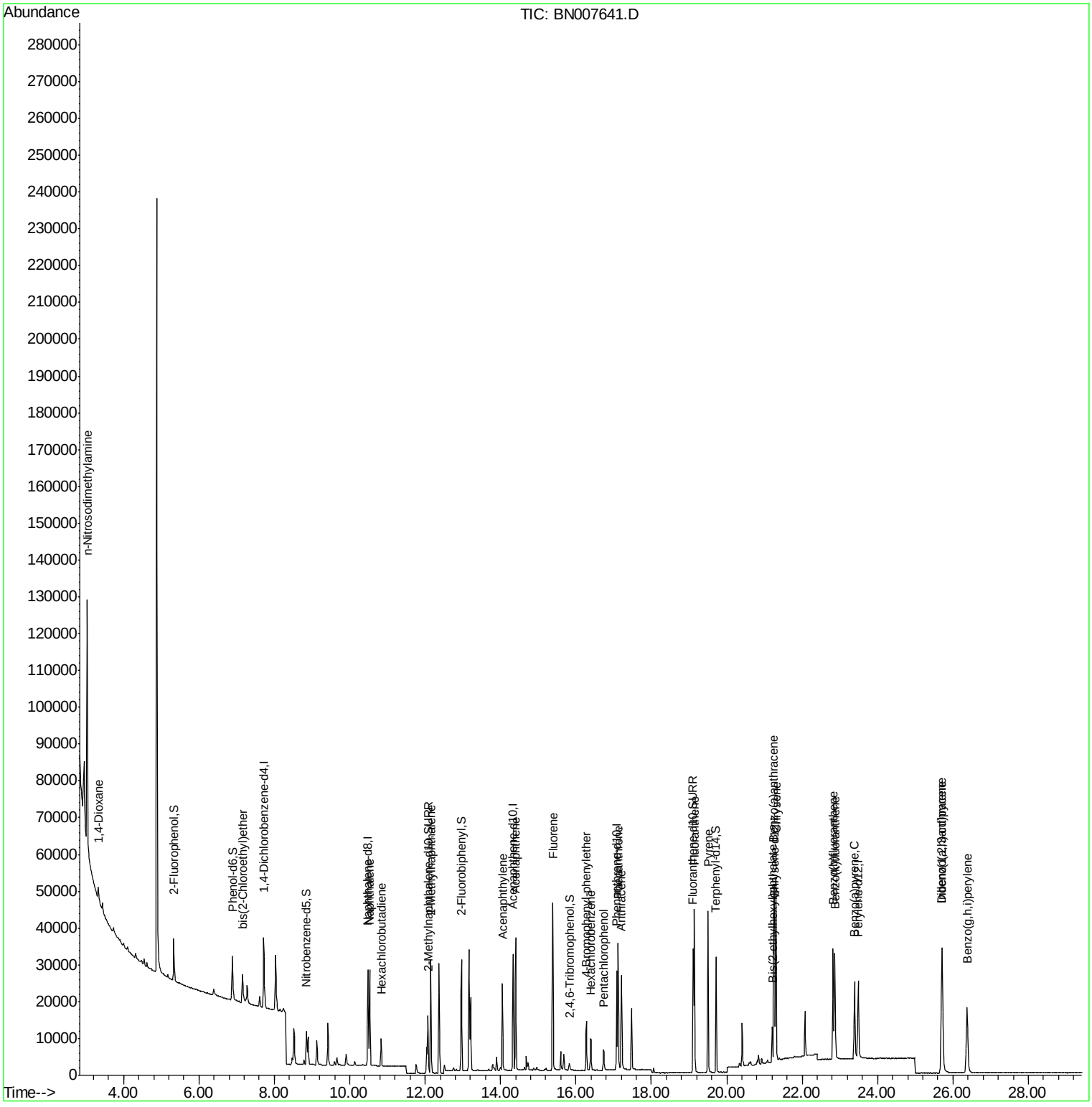
(#) = qualifier out of range (m) = manual integration (+) = signals summed

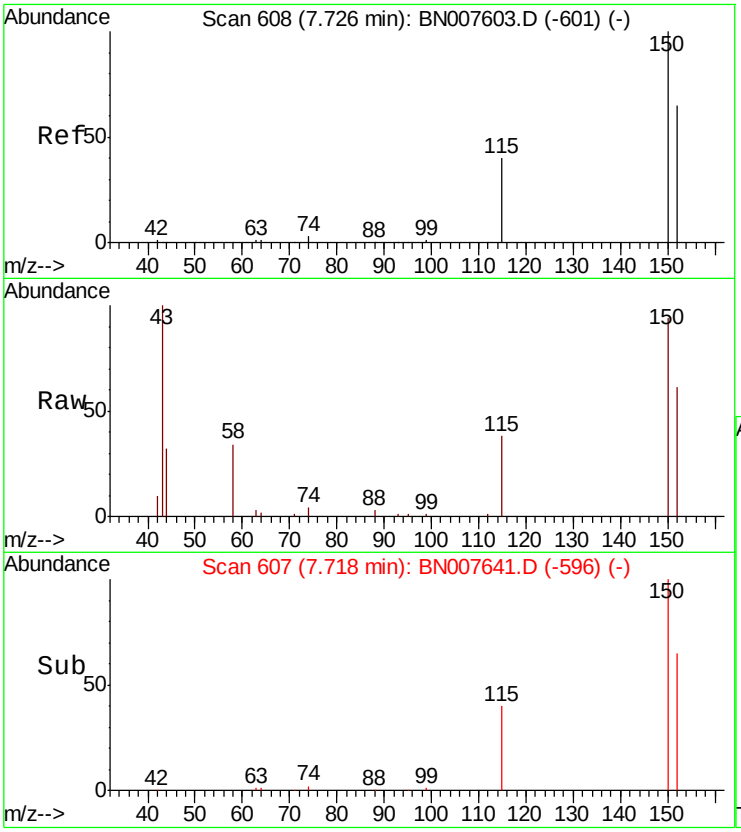
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091319\
Data File : BN007641.D
Acq On : 13 Sep 2019 23:36
Operator : HP/JU
Sample : PB123061BSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB123061BSD

Quant Time: Sep 14 05:13:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 12 14:27:51 2019
Response via : Initial Calibration



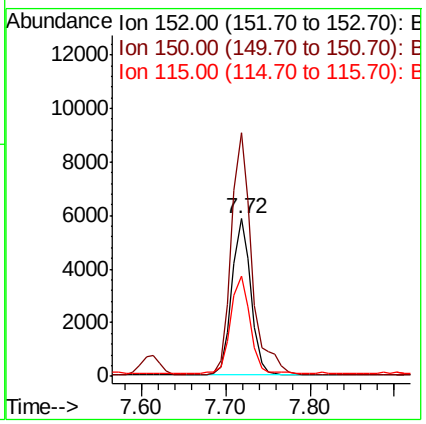


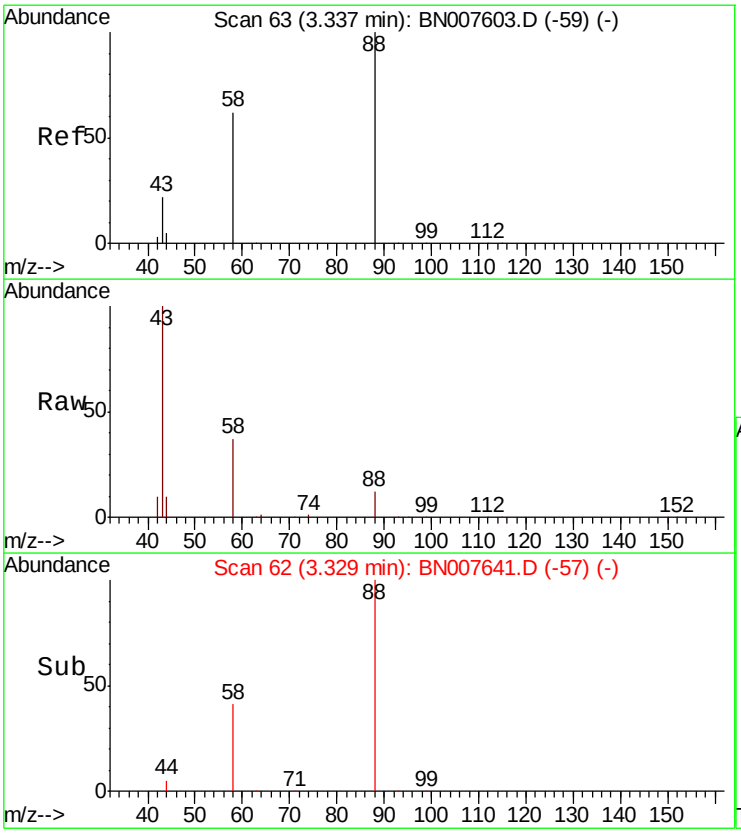
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 607
Delta R.T. -0.01 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Instrument :
BNA_N
ClientSampleId :
PB123061BSD

Tgt Ion:152 Resp: 9001

Ion	Ratio	Lower	Upper
152	100		
150	154.5	122.4	183.6
115	63.3	50.4	75.6

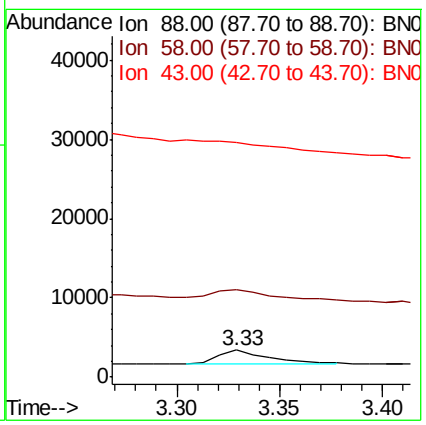


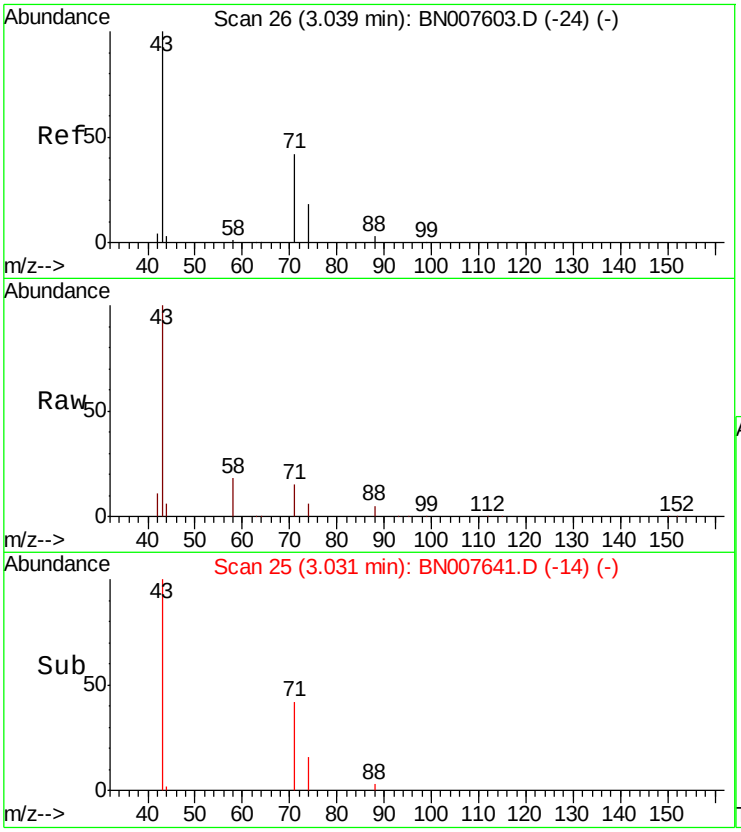


#2
1,4-Dioxane
Concen: 0.269 ng
RT: 3.33 min Scan# 62
Delta R.T. -0.01 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Tgt Ion: 88 Resp: 2897

Ion	Ratio	Lower	Upper
88	100		
58	76.5	57.0	85.4
43	0.0	20.0	30.0#



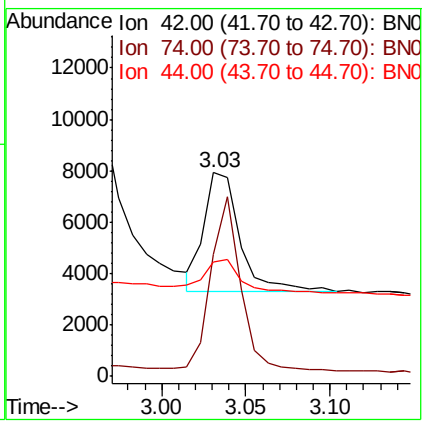


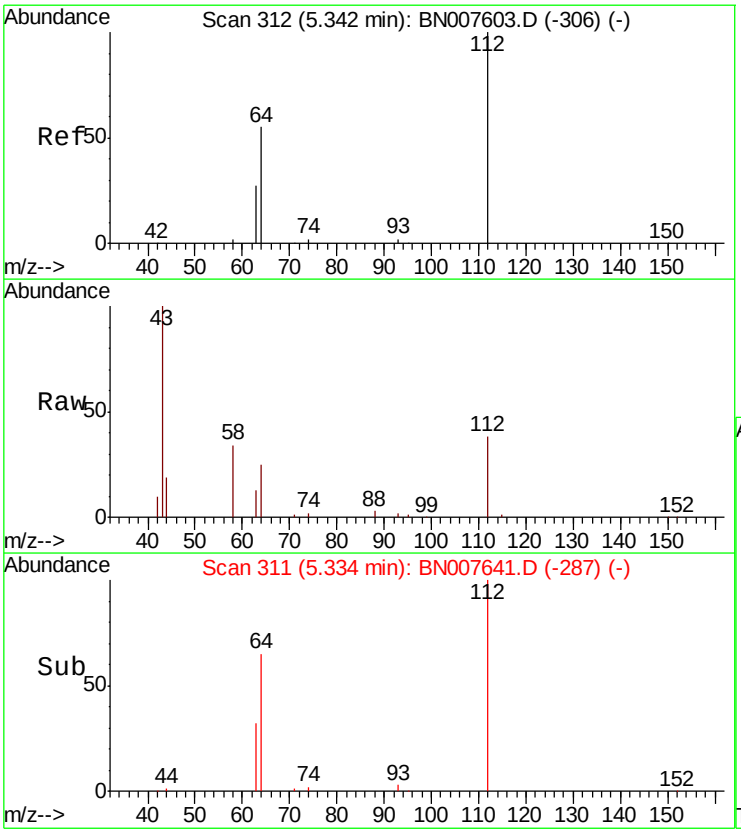
#3
n-Nitrosodimethylamine
Concen: 1.390 ng
RT: 3.03 min Scan# 25
Delta R.T. -0.01 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Instrument :
BNA_N
ClientSampleId :
PB123061BSD

Tgt Ion: 42 Resp: 6804

Ion	Ratio	Lower	Upper
42	100		
74	122.0	9.8	14.8#
44	32.4	0.0	0.0#

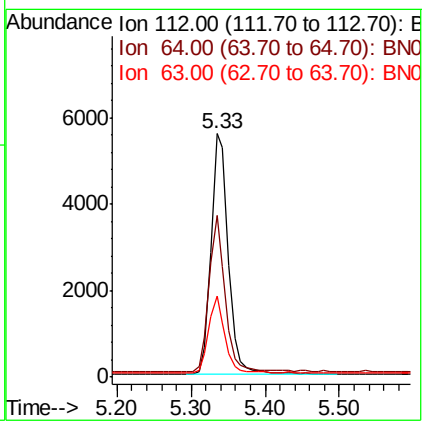


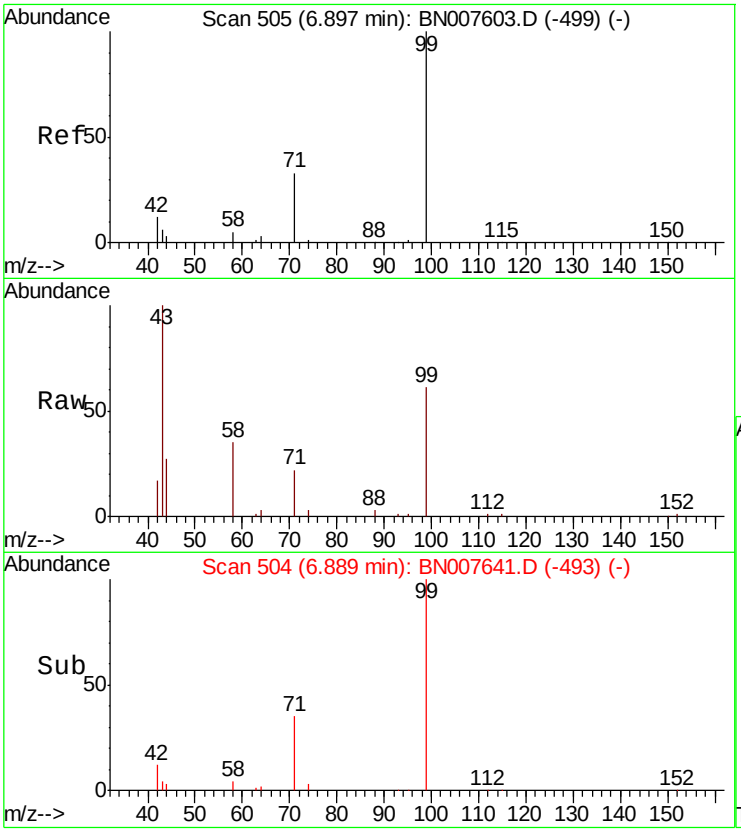


#4
2-Fluorophenol
Concen: 0.315 ng
RT: 5.33 min Scan# 311
Delta R.T. -0.01 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Tgt Ion:112 Resp: 9074

Ion	Ratio	Lower	Upper
112	100		
64	59.6	48.5	72.7
63	29.8	24.4	36.6



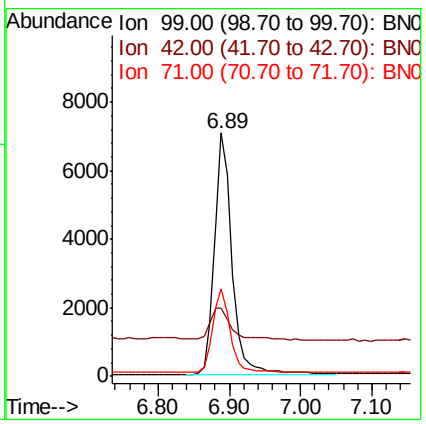


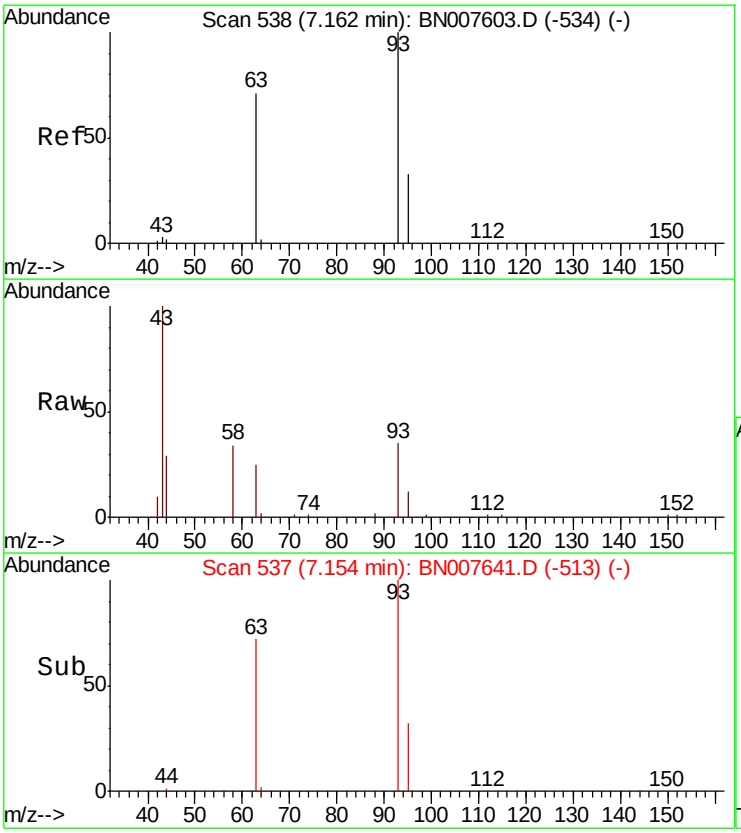
#5
Phenol-d6
Concen: 0.345 ng
RT: 6.89 min Scan# 504
Delta R.T. -0.01 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Instrument :
BNA_N
ClientSampleId :
PB123061BSD

Tgt Ion: 99 Resp: 12088

Ion	Ratio	Lower	Upper
99	100		
42	15.9	11.8	17.6
71	35.1	28.0	42.0

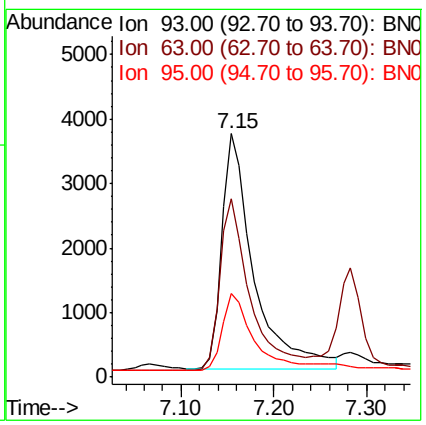


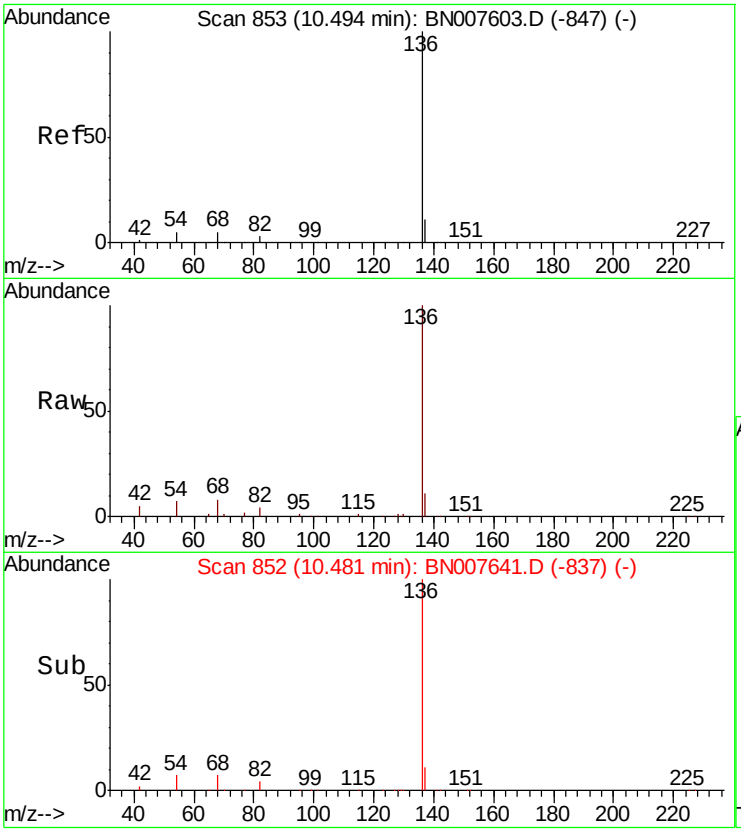


#6
bis(2-Chloroethyl)ether
Concen: 0.329 ng
RT: 7.15 min Scan# 537
Delta R.T. -0.01 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Tgt Ion: 93 Resp: 8682

Ion	Ratio	Lower	Upper
93	100		
63	70.3	61.2	91.8
95	32.2	27.2	40.8



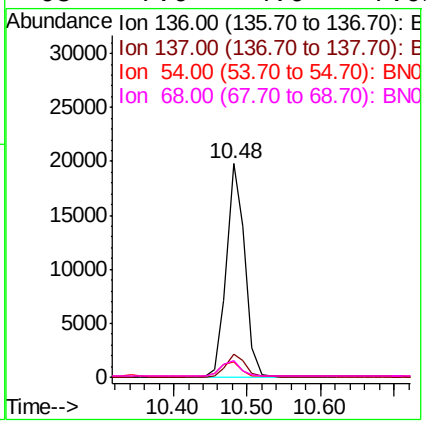


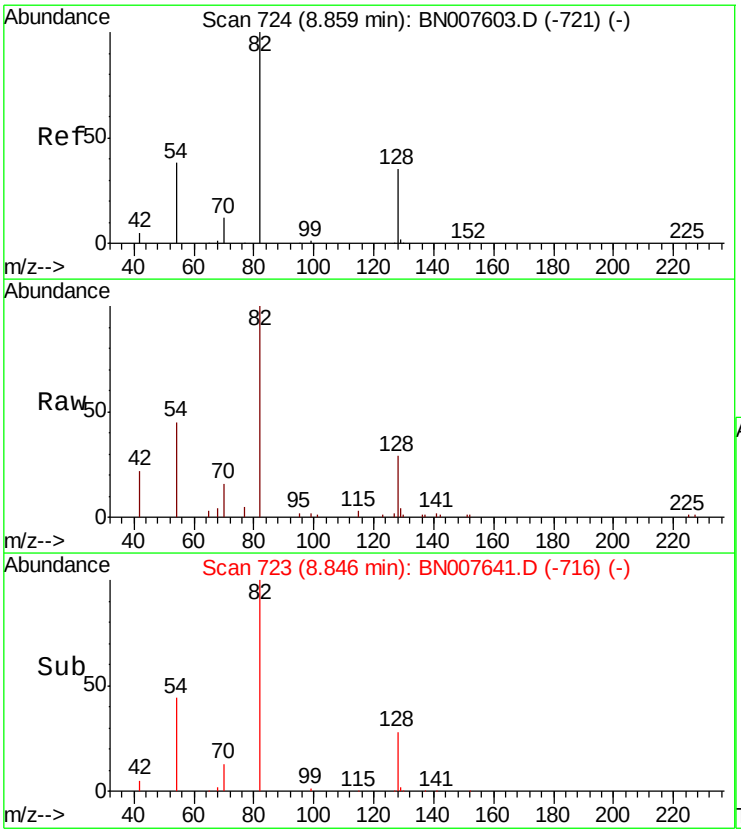
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.48 min Scan# 852
Delta R.T. -0.01 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Instrument :
BNA_N
ClientSampleId :
PB123061BSD

Tgt Ion:136 Resp: 33759

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.4	4.2	6.4#
68	7.6	4.6	7.0#

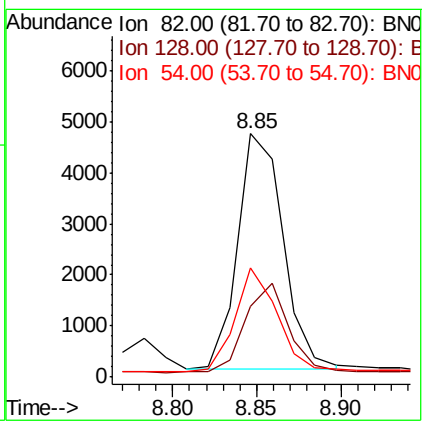


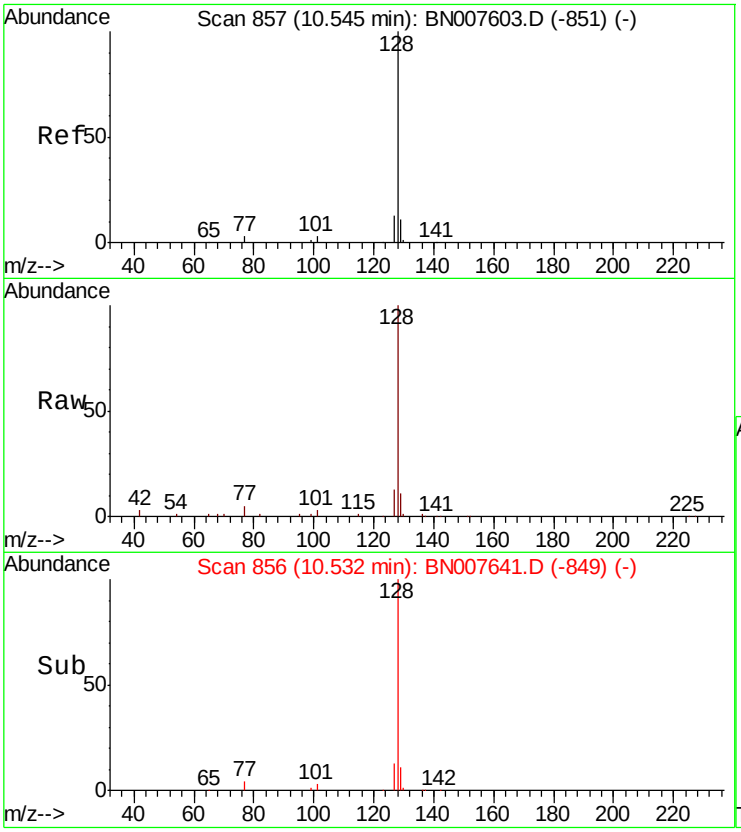


#8
Nitrobenzene-d5
Concen: 0.323 ng
RT: 8.85 min Scan# 723
Delta R.T. -0.01 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Tgt Ion: 82 Resp: 8694

Ion	Ratio	Lower	Upper
82	100		
128	29.0	27.9	41.9
54	44.8	30.9	46.3



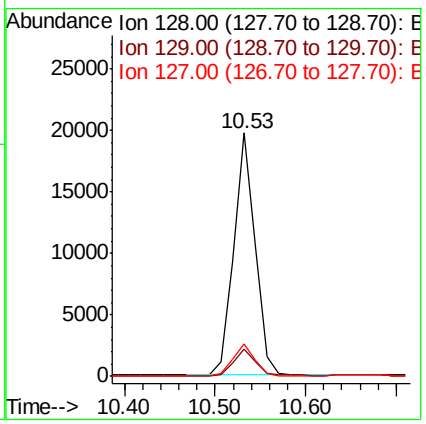


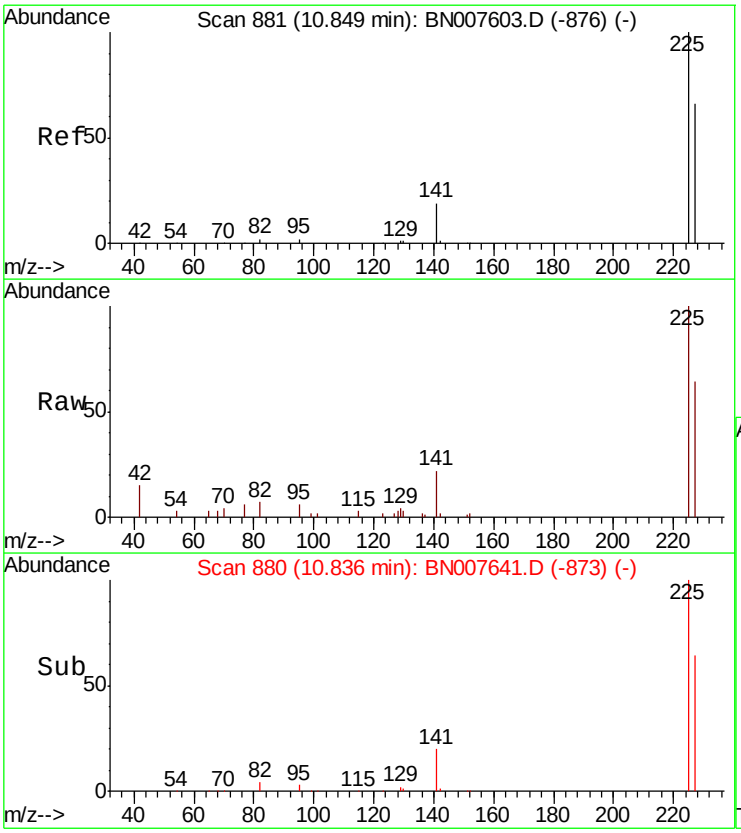
#9
Naphthalene
Concen: 0.332 ng
RT: 10.53 min Scan# 856
Delta R.T. -0.01 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Instrument :
BNA_N
ClientSampleId :
PB123061BSD

Tgt Ion:128 Resp: 32132

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.3	10.4	15.6

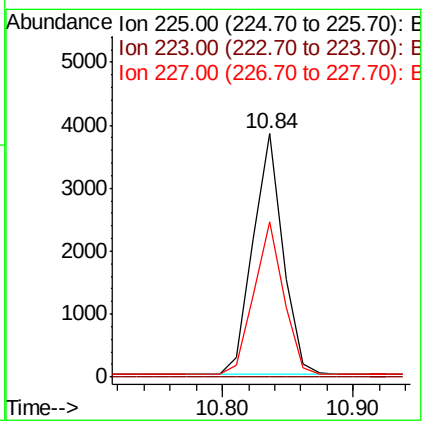


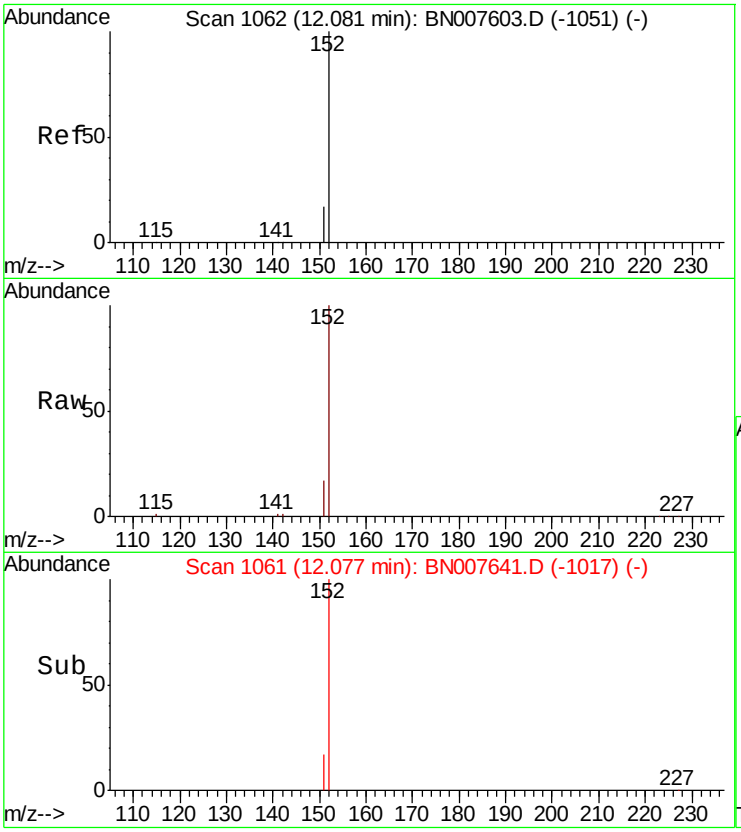


#10
Hexachlorobutadiene
Concen: 0.308 ng
RT: 10.84 min Scan# 880
Delta R.T. -0.01 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Tgt Ion:225 Resp: 6004

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.2	51.3	76.9



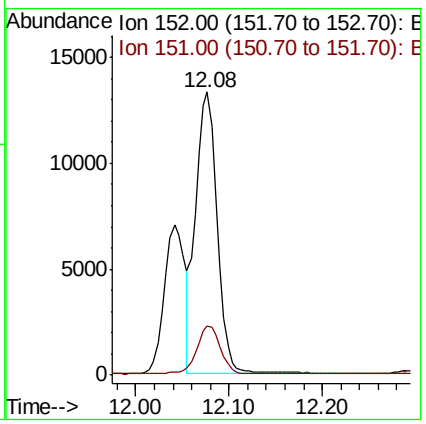


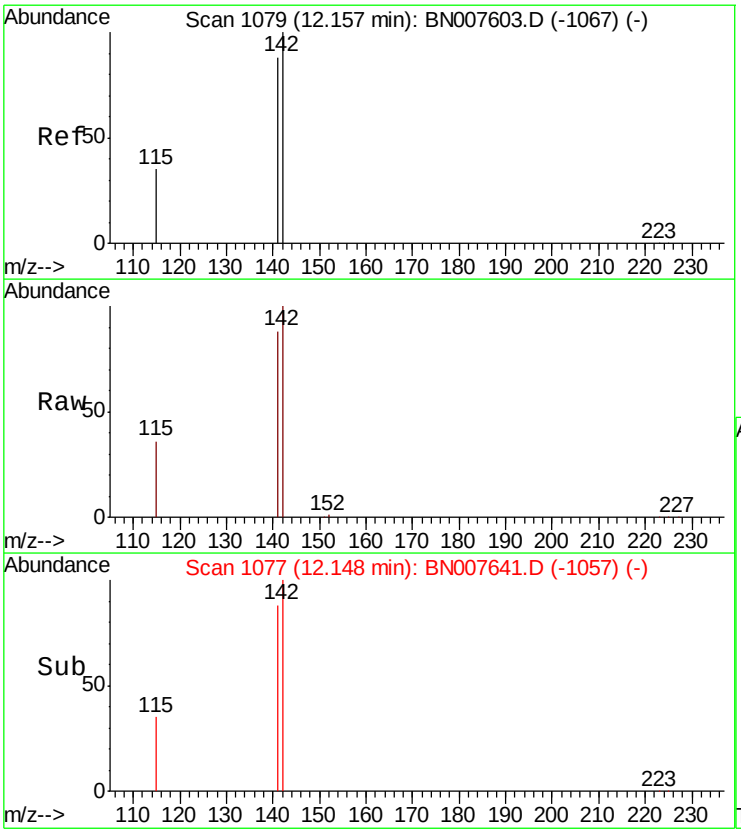
#11
2-Methylnaphthalene-d10
Concen: 0.373 ng
RT: 12.08 min Scan# 1061
Delta R.T. -0.00 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Instrument :
BNA_N
ClientSampleId :
PB123061BSD

Tgt Ion:152 Resp: 21341

Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.3	22.9

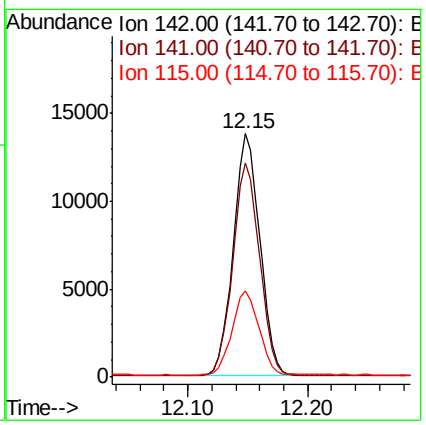


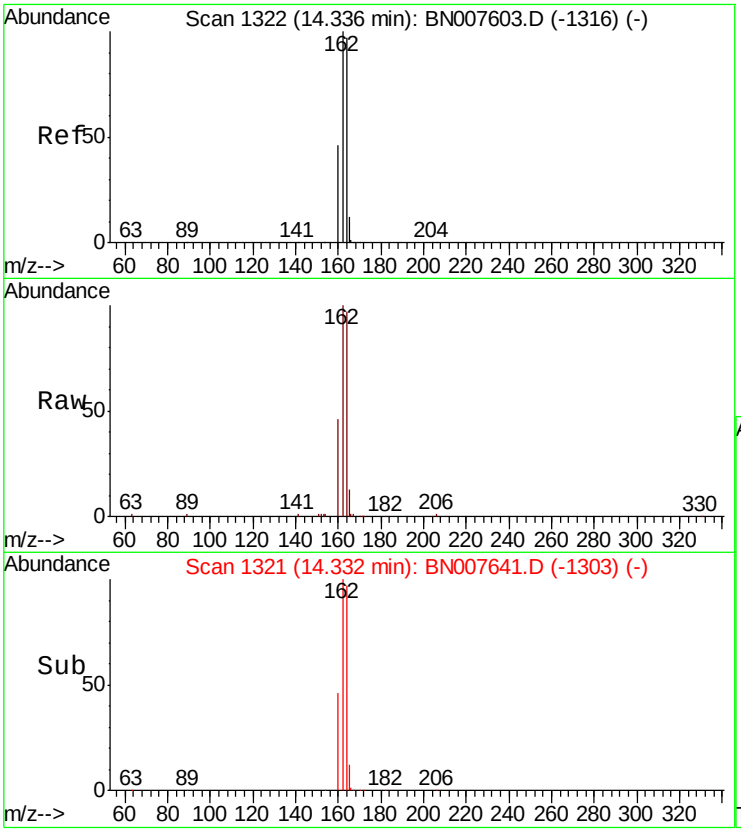


#12
2-Methylnaphthalene
Concen: 0.327 ng
RT: 12.15 min Scan# 1077
Delta R.T. -0.01 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Tgt Ion:142 Resp: 21260

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.5	105.7
115	35.5	28.4	42.6



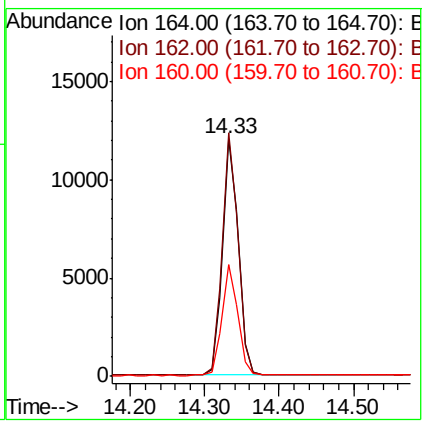


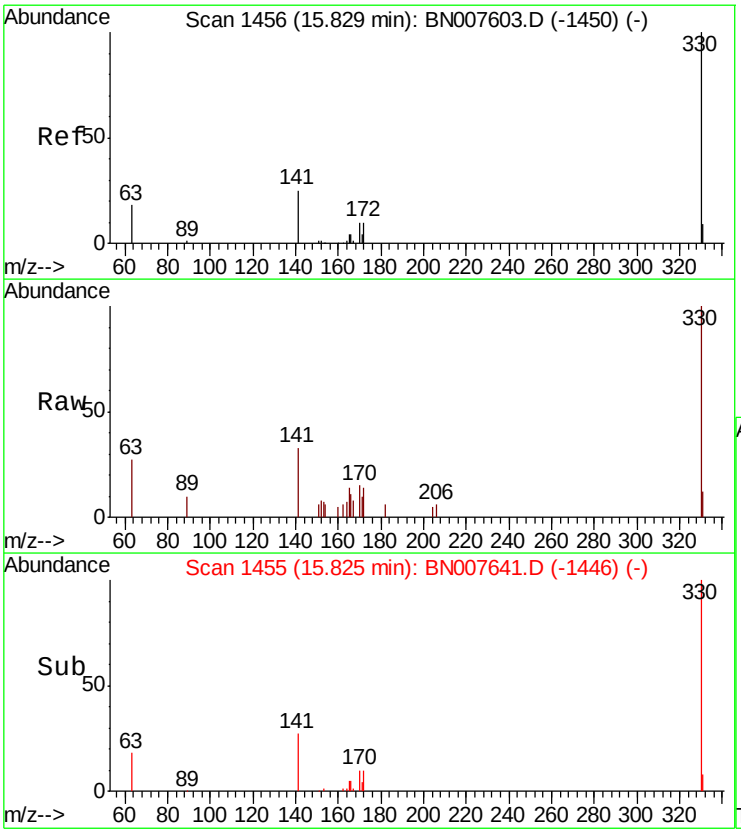
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.33 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Instrument :
BNA_N
ClientSampleId :
PB123061BSD

Tgt Ion:164 Resp: 17765

Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.8	124.2
160	47.3	38.0	57.0

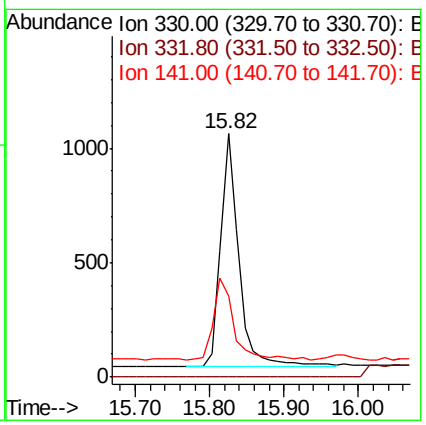


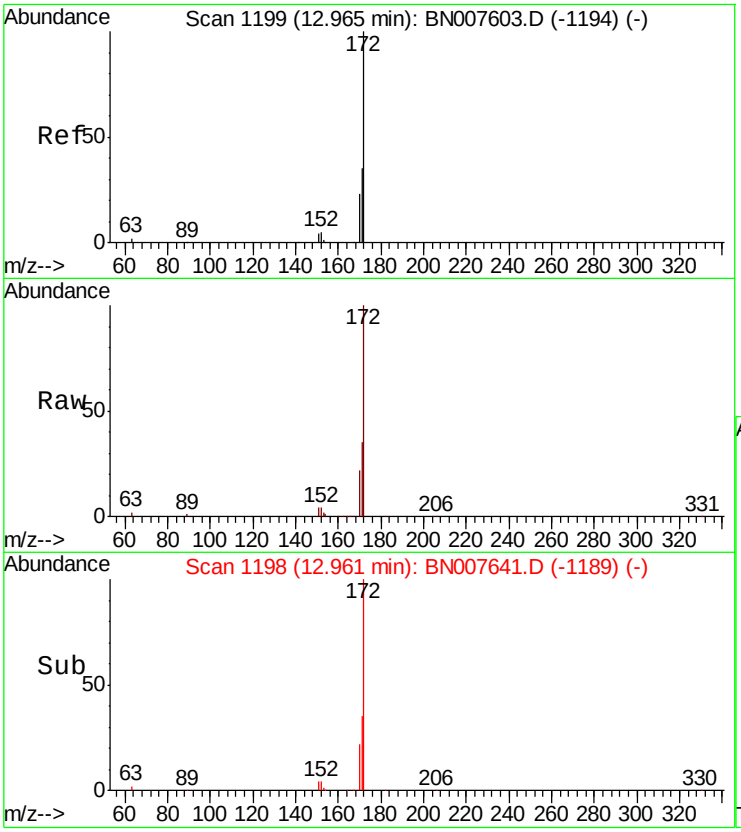


#14
2,4,6-Tribromophenol
Concen: 0.259 ng
RT: 15.82 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Tgt Ion:330 Resp: 1737

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	38.2	30.1	45.1



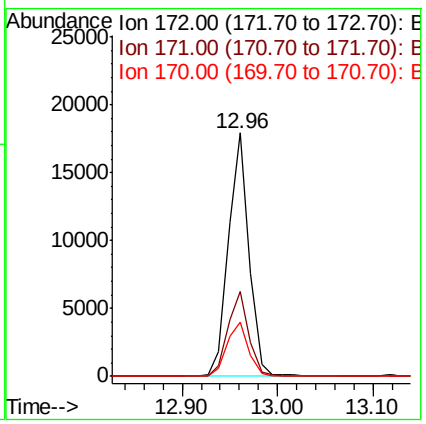


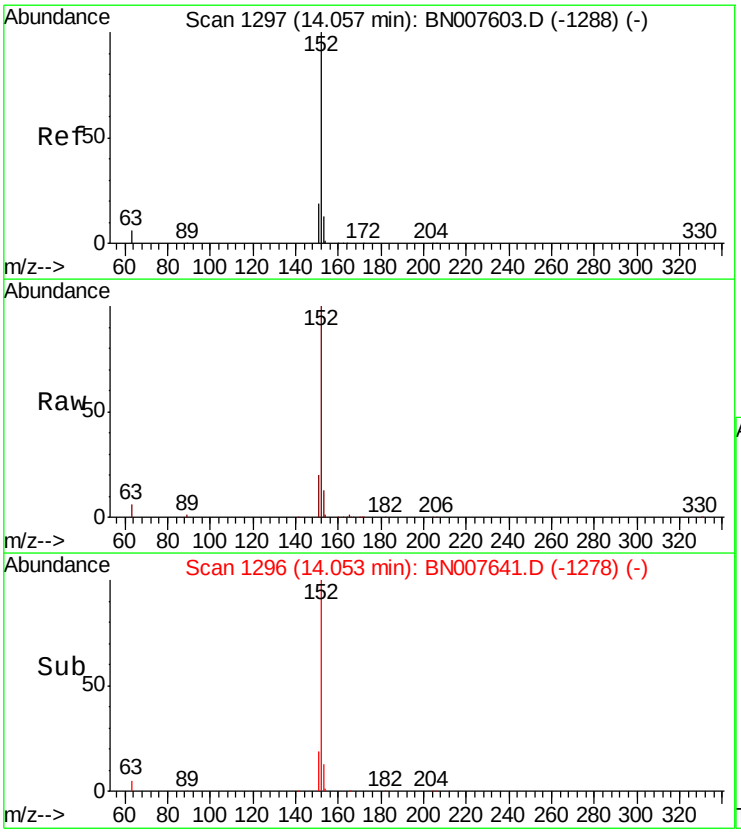
#15
2-Fluorobiphenyl
Concen: 0.342 ng
RT: 12.96 min Scan# 1198
Delta R.T. -0.00 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Instrument :
BNA_N
ClientSampleId :
PB123061BSD

Tgt Ion:172 Resp: 26527

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.9	41.9
170	22.0	18.5	27.7

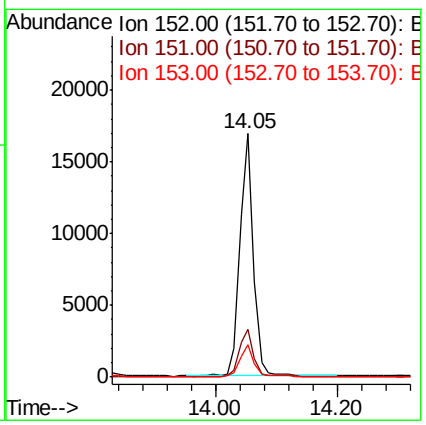


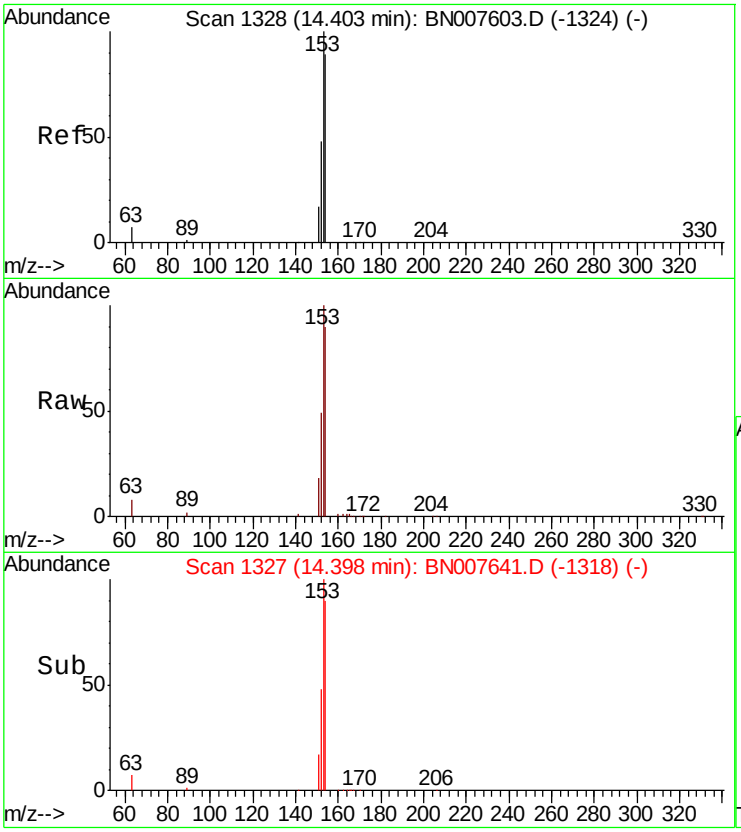


#16
Acenaphthylene
Concen: 0.281 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Tgt Ion:152 Resp: 26005

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	13.0	10.4	15.6



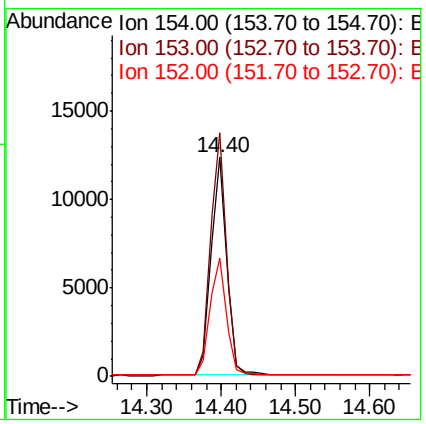


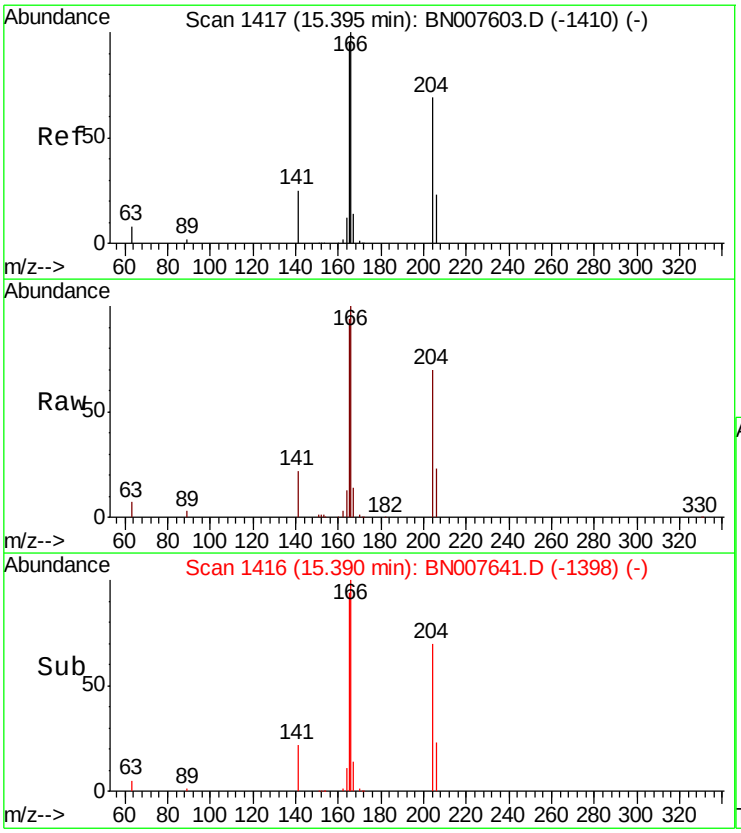
#17
Acenaphthene
Concen: 0.302 ng
RT: 14.40 min Scan# 1327
Delta R.T. -0.00 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Instrument :
BNA_N
ClientSampleId :
PB123061BSD

Tgt Ion:154 Resp: 18172

Ion	Ratio	Lower	Upper
154	100		
153	110.5	89.8	134.8
152	54.7	43.8	65.8

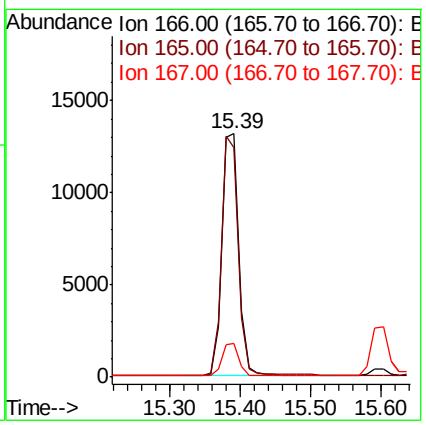


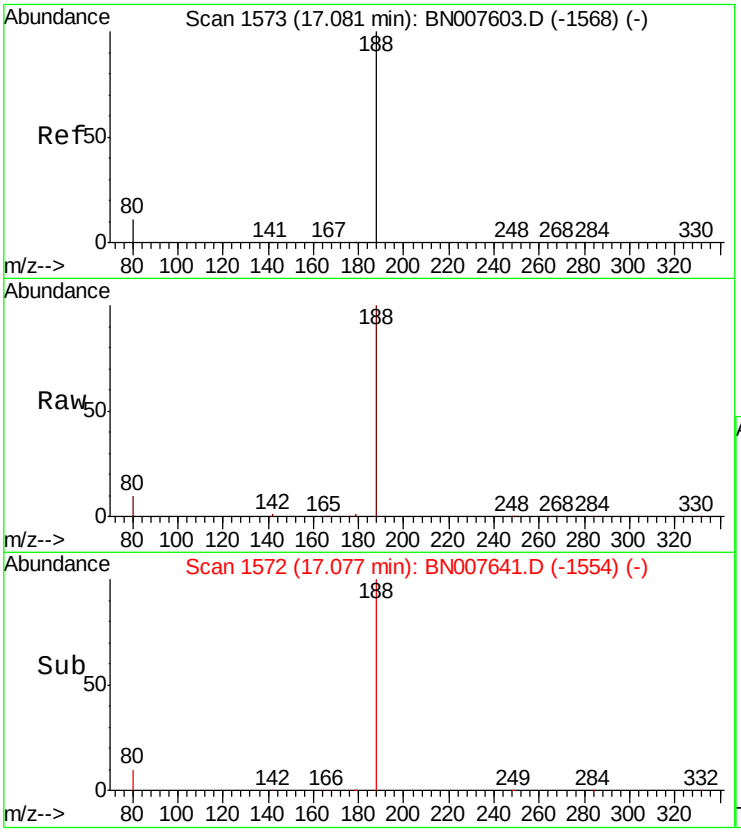


#18
Fluorene
Concen: 0.294 ng
RT: 15.39 min Scan# 1416
Delta R.T. -0.00 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Tgt Ion:166 Resp: 22356

Ion	Ratio	Lower	Upper
166	100		
165	97.8	77.8	116.6
167	13.3	10.8	16.2



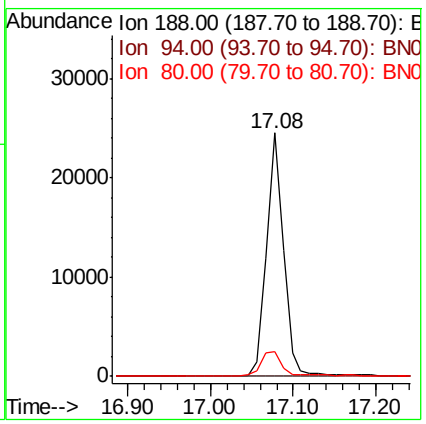


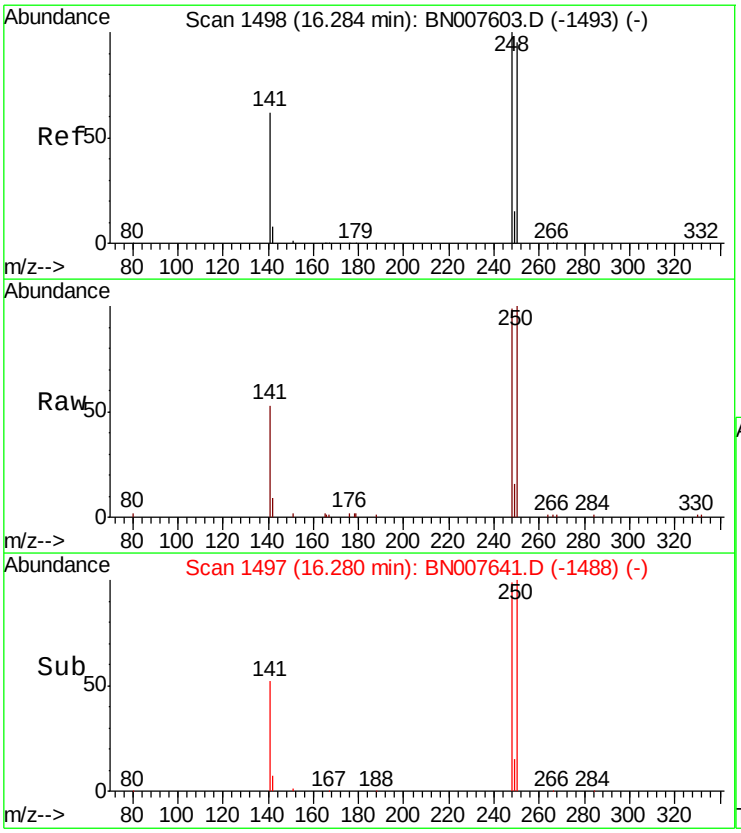
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Instrument :
BNA_N
ClientSampleId :
PB123061BSD

Tgt Ion:188 Resp: 34405

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.3	8.8	13.2

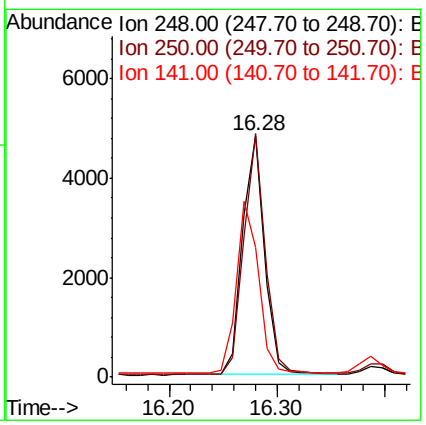


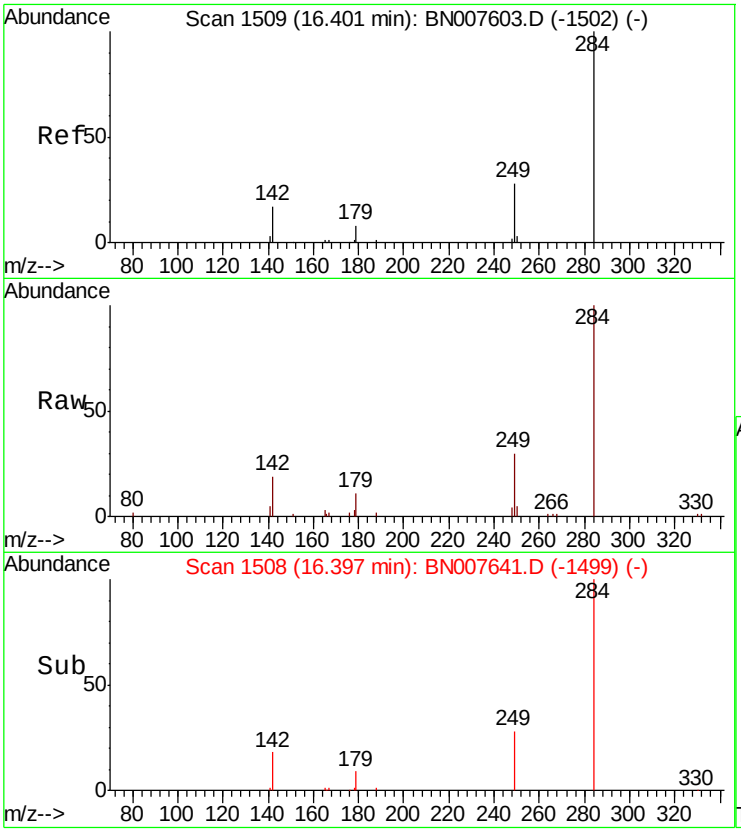


#20
4-Bromophenyl-phenylether
Concen: 0.321 ng
RT: 16.28 min Scan# 1497
Delta R.T. -0.00 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Tgt Ion:248 Resp: 6831

Ion	Ratio	Lower	Upper
248	100		
250	100.9	76.3	114.5
141	53.6	49.7	74.5



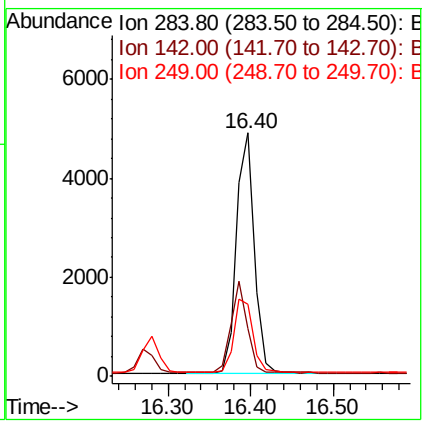


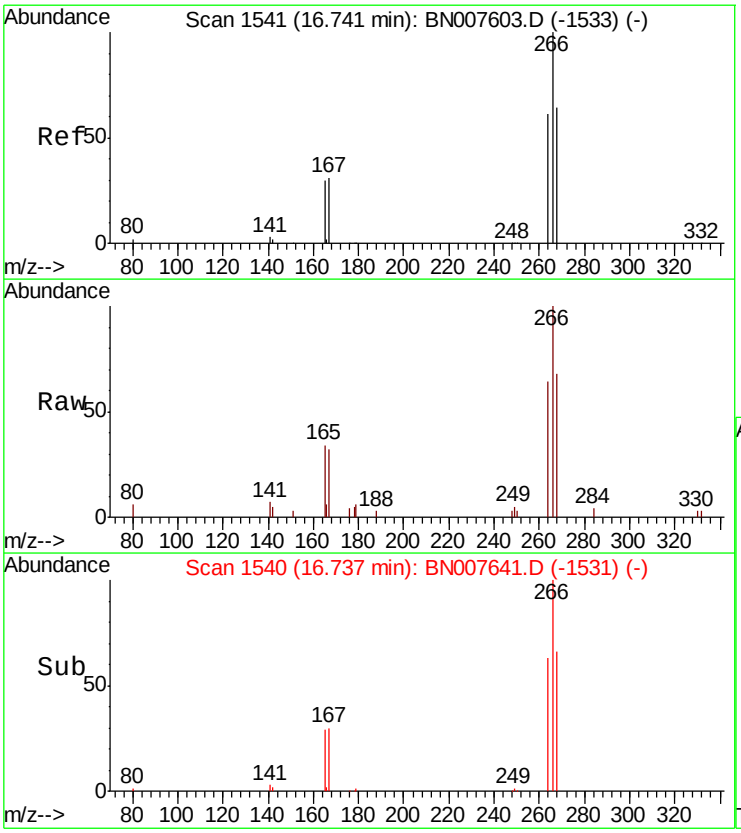
#21
Hexachlorobenzene
Concen: 0.325 ng
RT: 16.40 min Scan# 1508
Delta R.T. -0.00 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Instrument :
BNA_N
ClientSampleId :
PB123061BSD

Tgt Ion:284 Resp: 7394

Ion	Ratio	Lower	Upper
284	100		
142	35.4	27.8	41.6
249	32.1	25.5	38.3

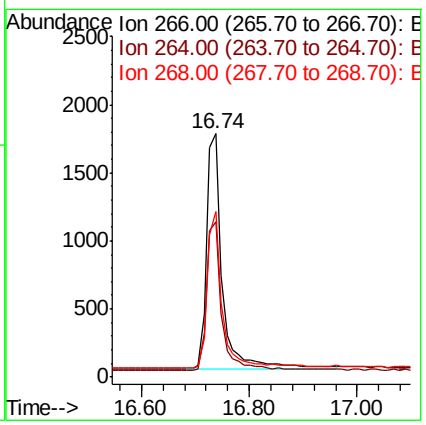


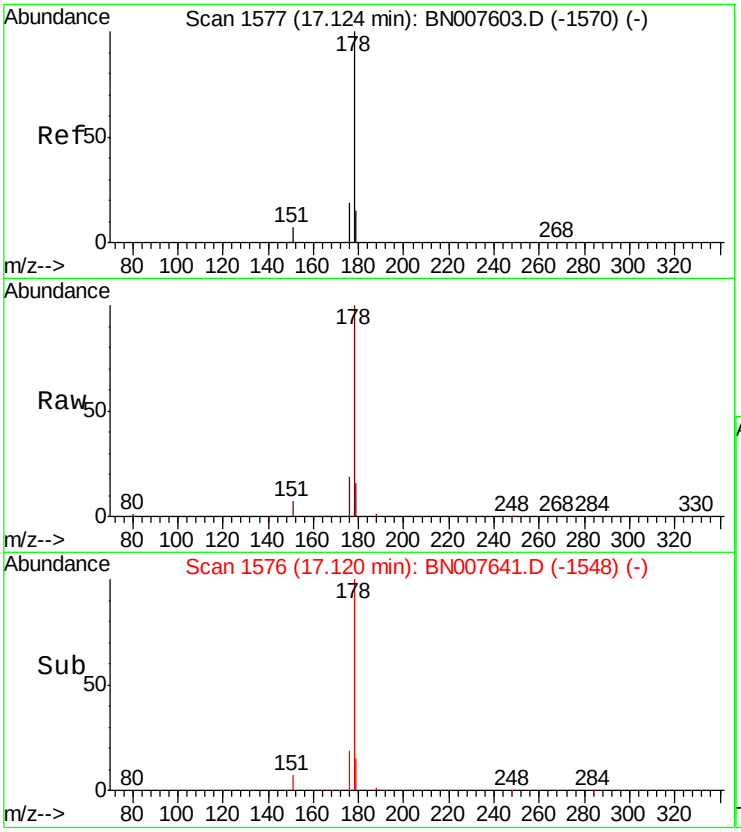


#22
Pentachlorophenol
Concen: 0.597 ng
RT: 16.74 min Scan# 1540
Delta R.T. -0.00 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Tgt Ion:266 Resp: 3525

Ion	Ratio	Lower	Upper
266	100		
264	63.9	49.4	74.0
268	68.1	53.0	79.6



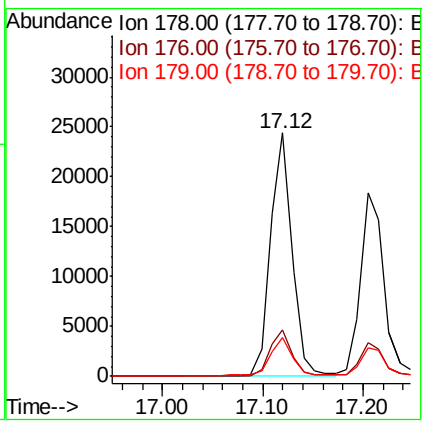


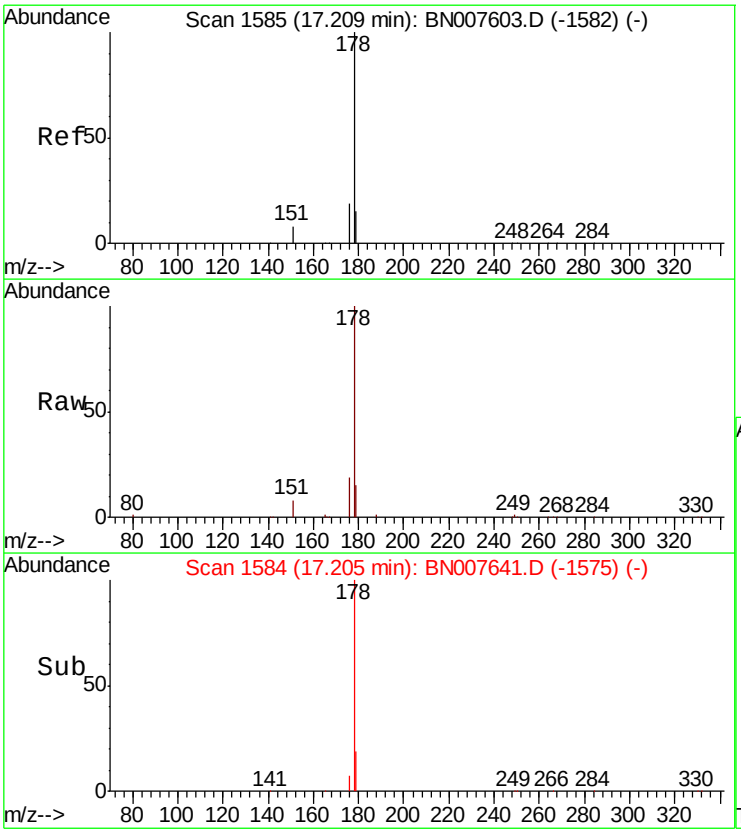
#23
Phenanthrene
Concen: 0.331 ng
RT: 17.12 min Scan# 1576
Delta R.T. -0.00 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Instrument :
BNA_N
ClientSampleId :
PB123061BSD

Tgt Ion:178 Resp: 35880

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.6
179	15.4	12.4	18.6

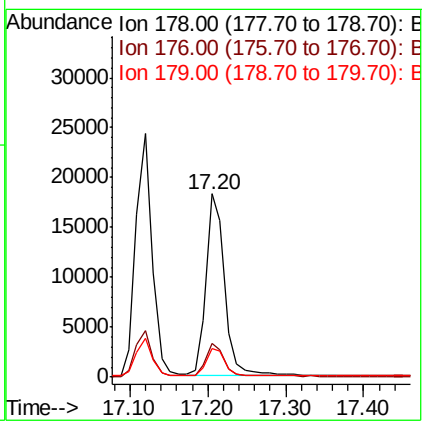


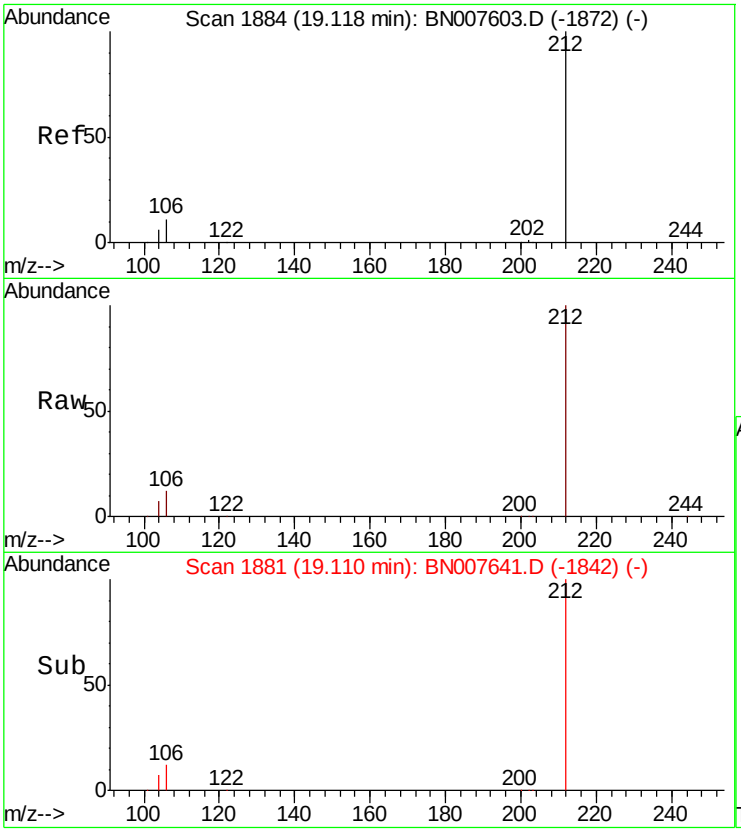


#24
Anthracene
Concen: 0.310 ng
RT: 17.20 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Tgt Ion:178 Resp: 29864

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.5	21.7
179	15.3	12.4	18.6



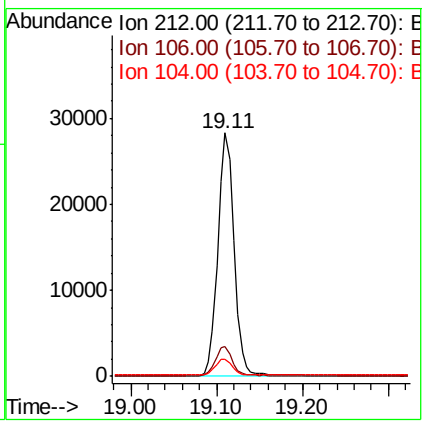


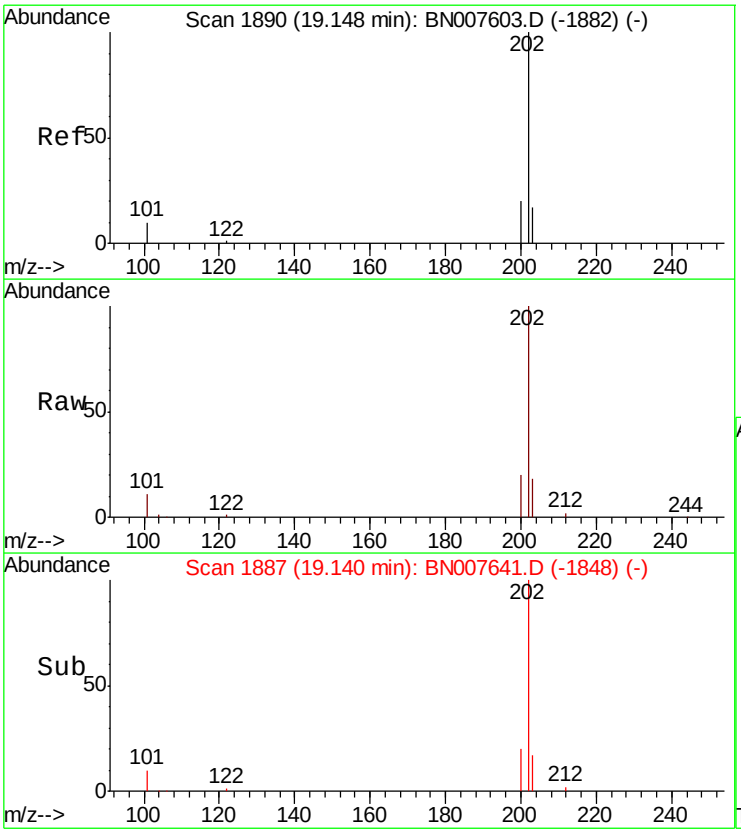
#25
Fluoranthene-d10
Concen: 0.345 ng
RT: 19.11 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Instrument :
BNA_N
ClientSampleId :
PB123061BSD

Tgt Ion:212 Resp: 37403

Ion	Ratio	Lower	Upper
212	100		
106	12.1	9.6	14.4
104	6.9	5.4	8.0

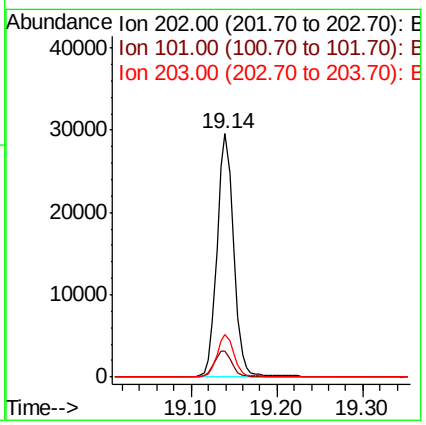


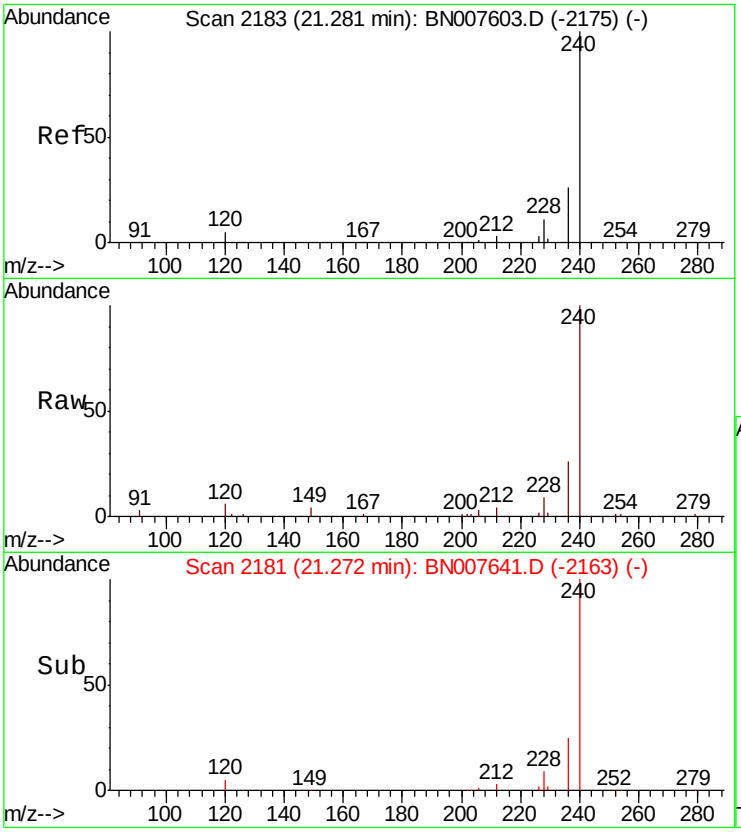


#26
Fluoranthene
Concen: 0.311 ng
RT: 19.14 min Scan# 1887
Delta R.T. -0.01 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Tgt Ion:202 Resp: 39468

Ion	Ratio	Lower	Upper
202	100		
101	11.2	8.6	13.0
203	17.6	13.8	20.6



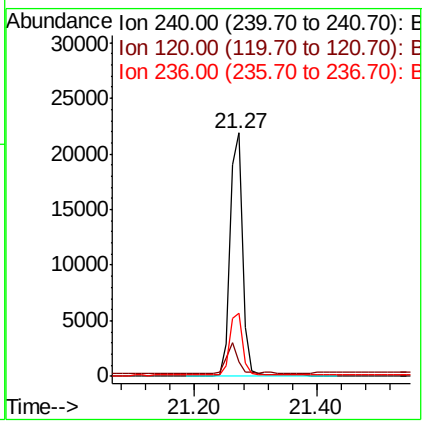


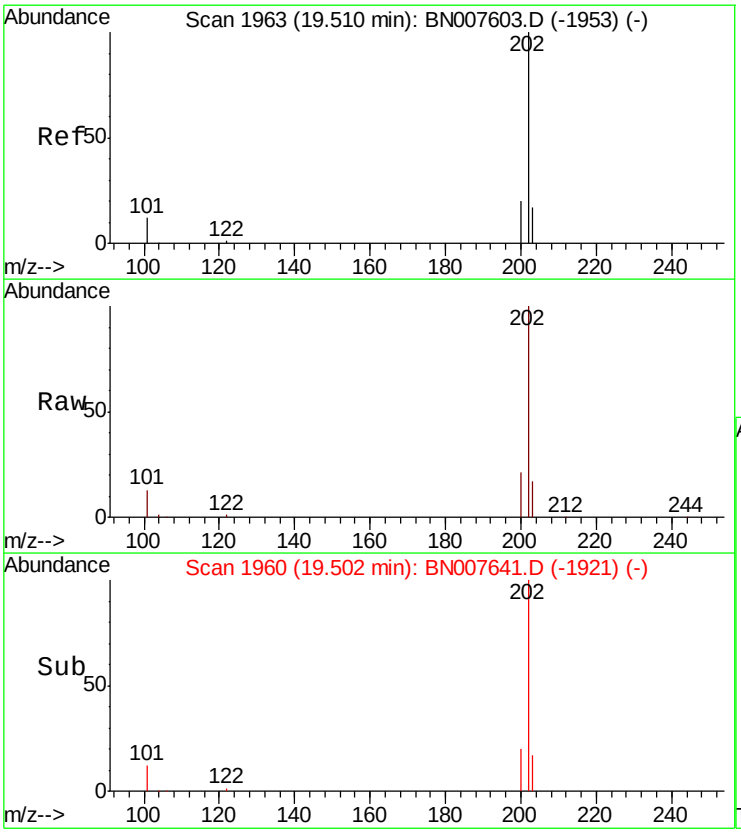
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Instrument :
BNA_N
ClientSampleId :
PB123061BSD

Tgt Ion:240 Resp: 31453

Ion	Ratio	Lower	Upper
240	100		
120	5.8	4.3	6.5
236	25.8	20.8	31.2

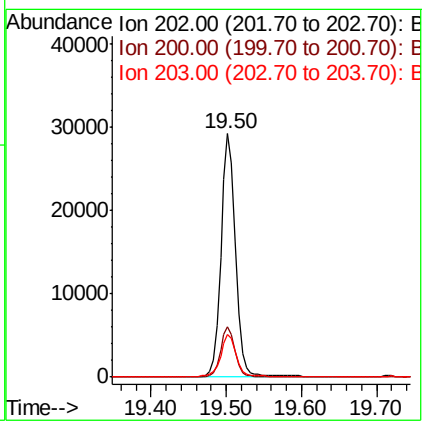


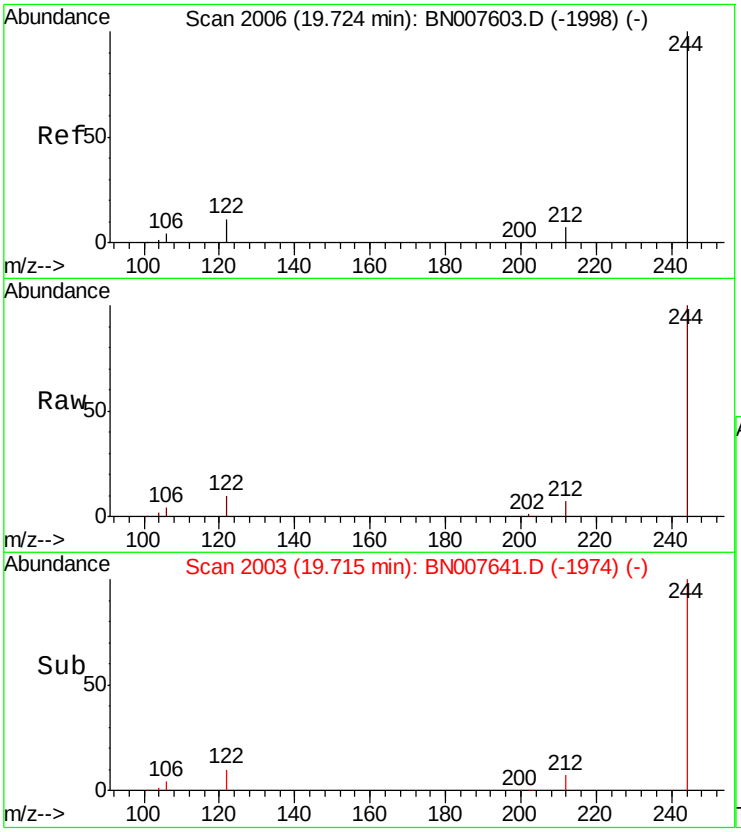


#28
Pyrene
Concen: 0.342 ng
RT: 19.50 min Scan# 1960
Delta R.T. -0.01 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Tgt Ion:202 Resp: 39100

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.4	24.6
203	18.0	14.0	21.0



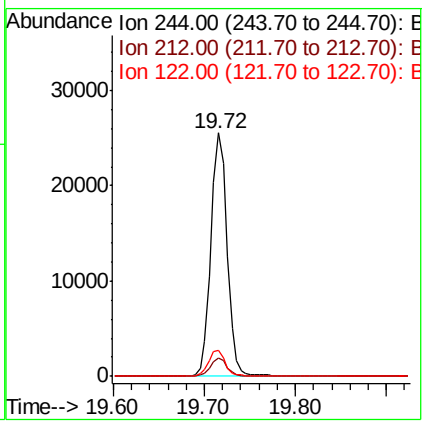


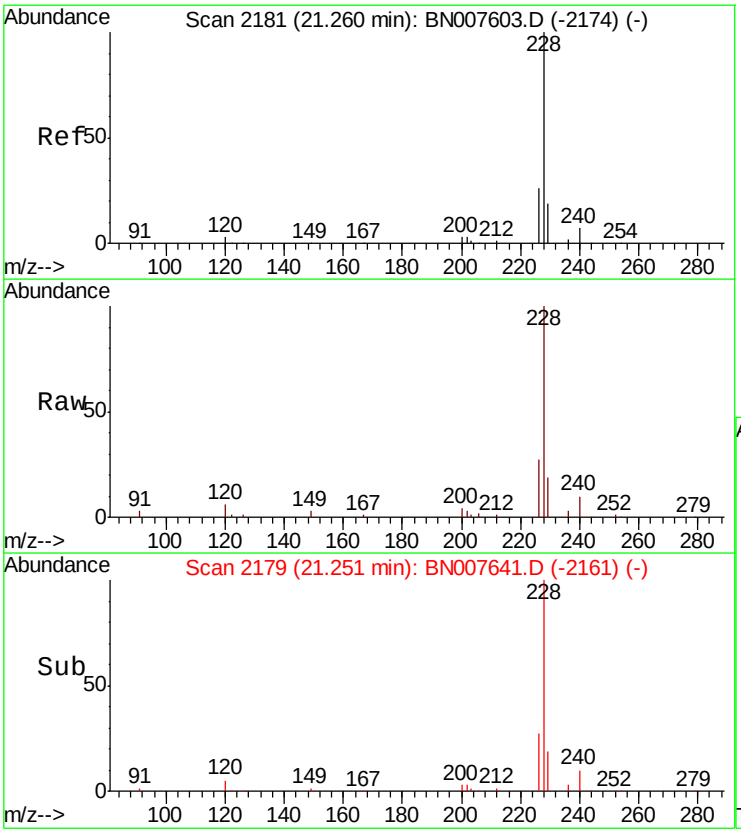
#29
Terphenyl-d14
Concen: 0.374 ng
RT: 19.72 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Instrument :
BNA_N
ClientSampleId :
PB123061BSD

Tgt Ion:244 Resp: 31003

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.9	8.9
122	10.5	8.6	12.8

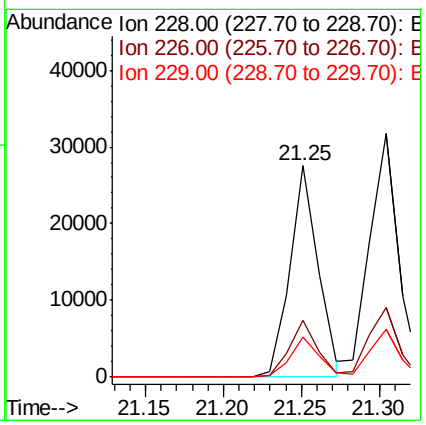


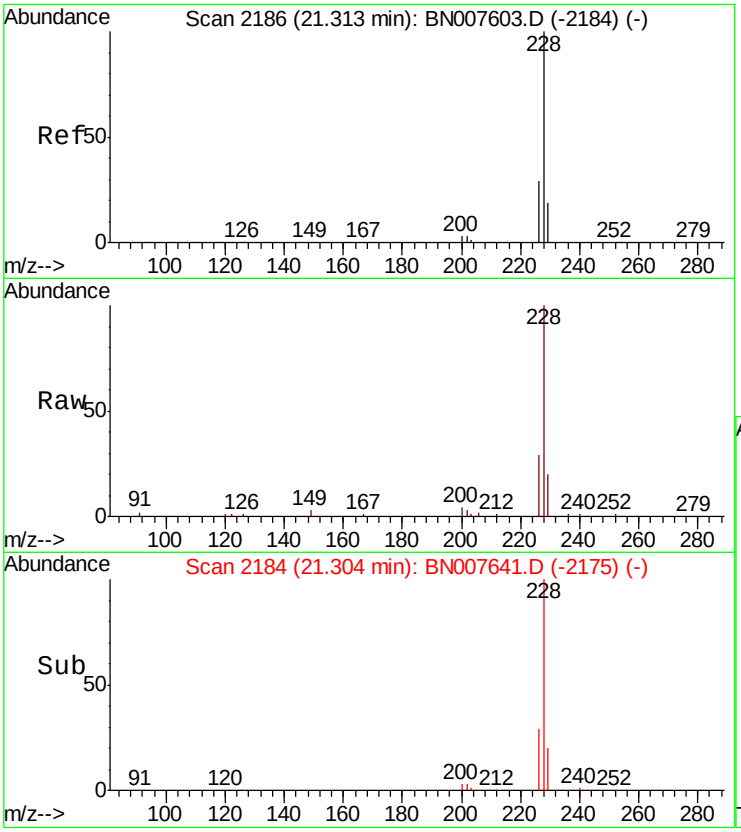


#30
Benzo(a)anthracene
Concen: 0.307 ng
RT: 21.25 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Tgt Ion:228 Resp: 34274

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.2	31.8
229	19.1	15.5	23.3



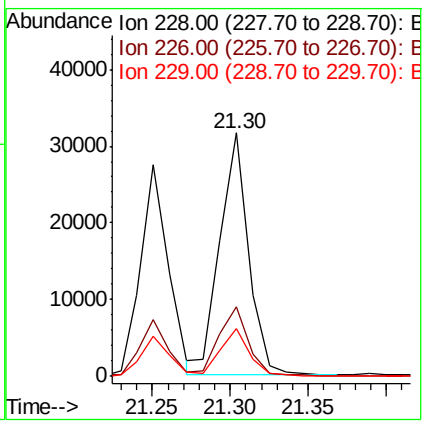


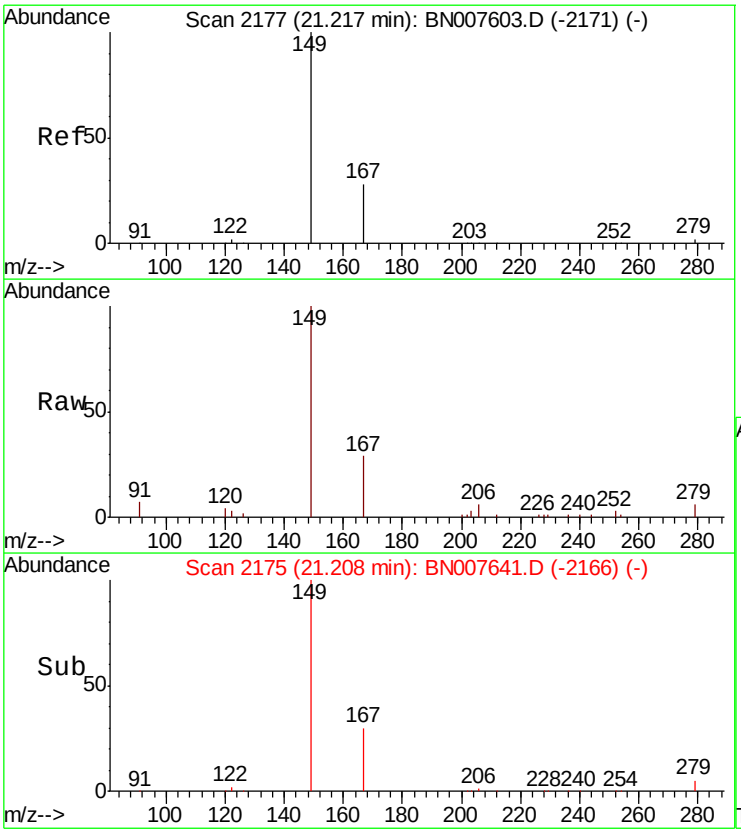
#31
Chrysene
Concen: 0.345 ng
RT: 21.30 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Instrument :
BNA_N
ClientSampleId :
PB123061BSD

Tgt Ion:228 Resp: 40042

Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.4	35.2
229	19.8	15.5	23.3

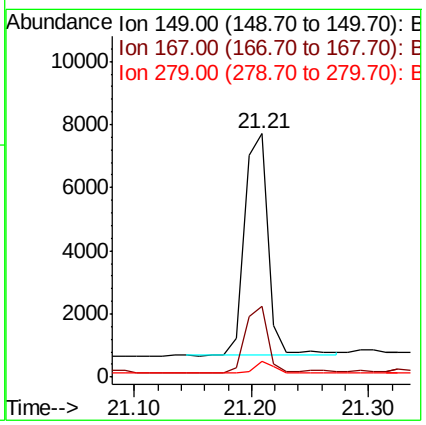


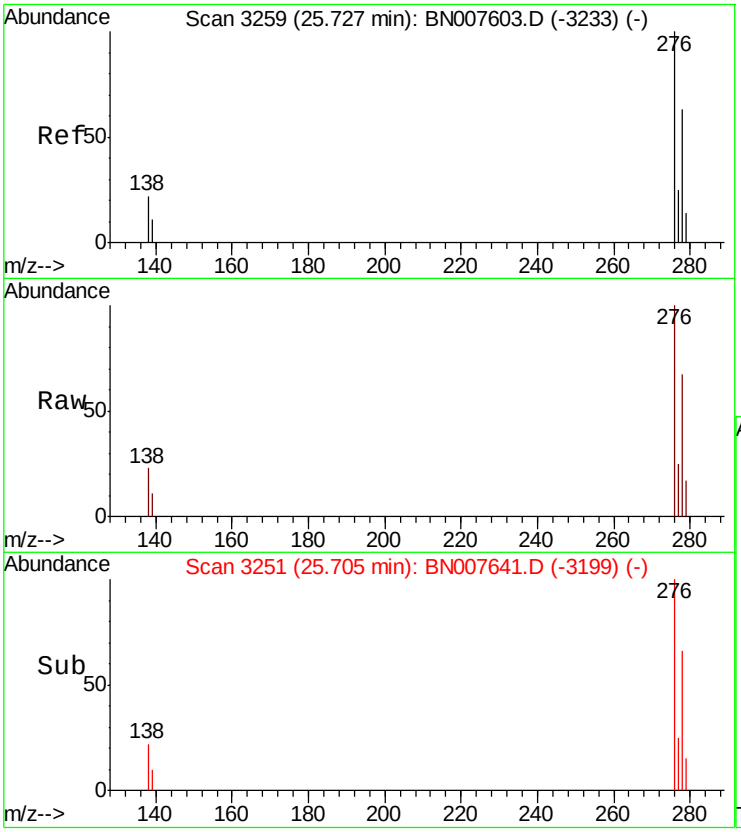


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.260 ng
RT: 21.21 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Tgt Ion:149 Resp: 9837

Ion	Ratio	Lower	Upper
149	100		
167	28.5	22.6	34.0
279	4.7	3.8	5.6



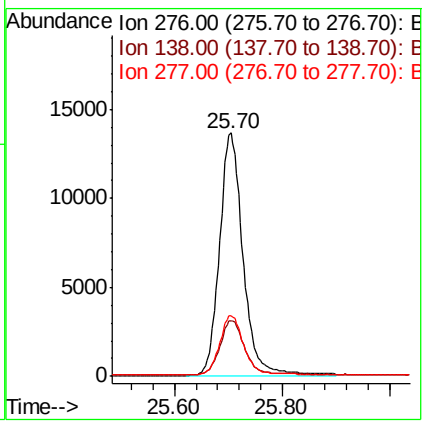


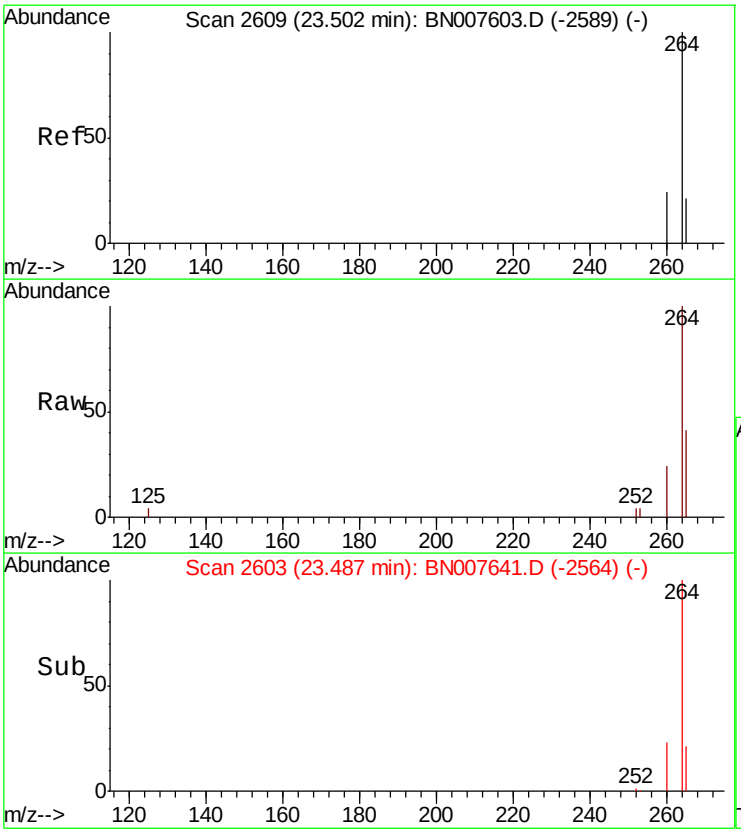
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.332 ng
RT: 25.70 min Scan# 3251
Delta R.T. -0.02 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Instrument :
BNA_N
ClientSampleId :
PB123061BSD

Tgt Ion:276 Resp: 41125

Ion	Ratio	Lower	Upper
276	100		
138	22.9	18.2	27.4
277	25.0	20.1	30.1

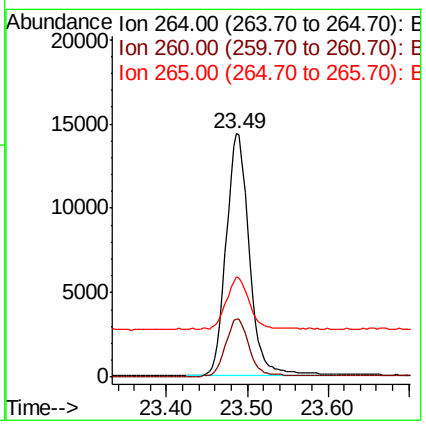


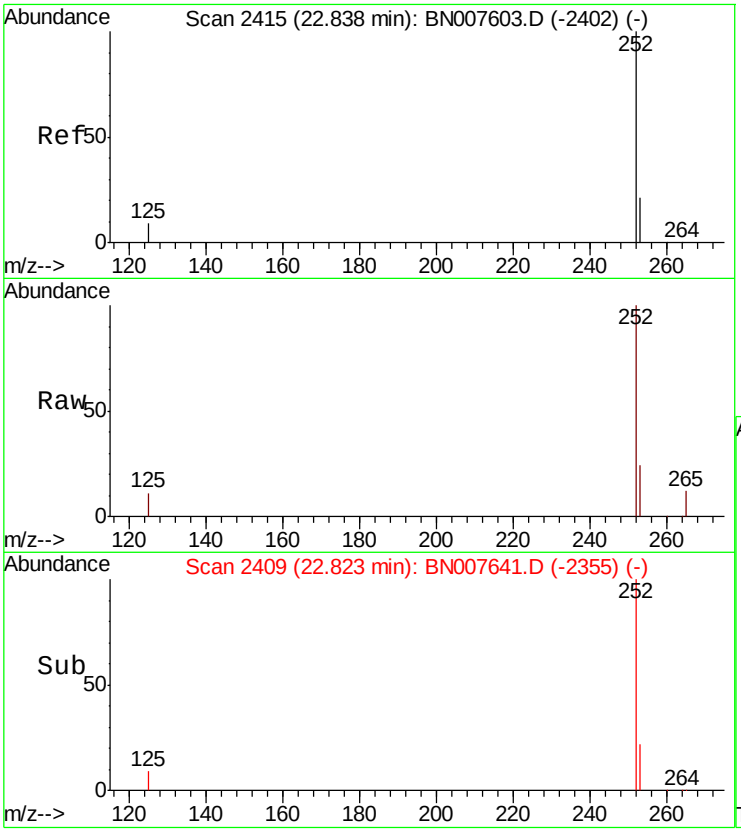


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.49 min Scan# 2603
Delta R.T. -0.02 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Tgt Ion:264 Resp: 28703

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	41.0	24.6	37.0#



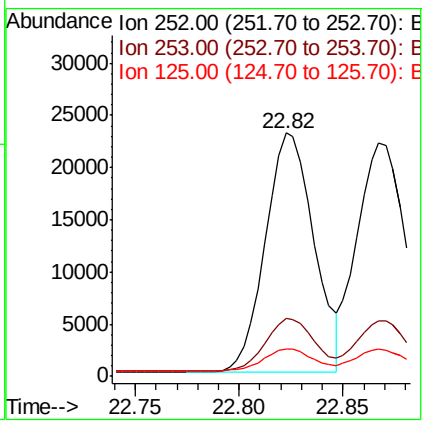


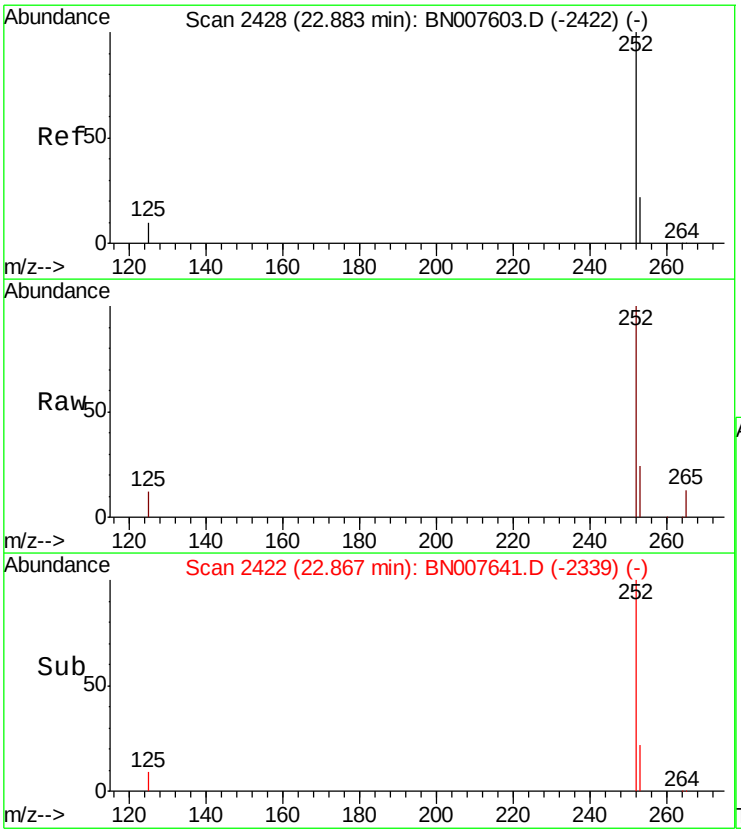
#35
Benzo(b)fluoranthene
Concen: 0.359 ng
RT: 22.82 min Scan# 2409
Delta R.T. -0.02 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Instrument :
BNA_N
ClientSampleId :
PB123061BSD

Tgt Ion:252 Resp: 37415

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.8
125	11.2	8.0	12.0

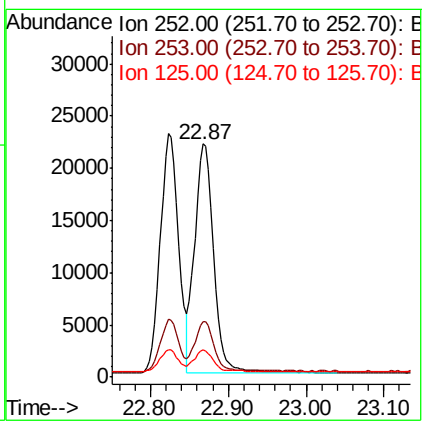


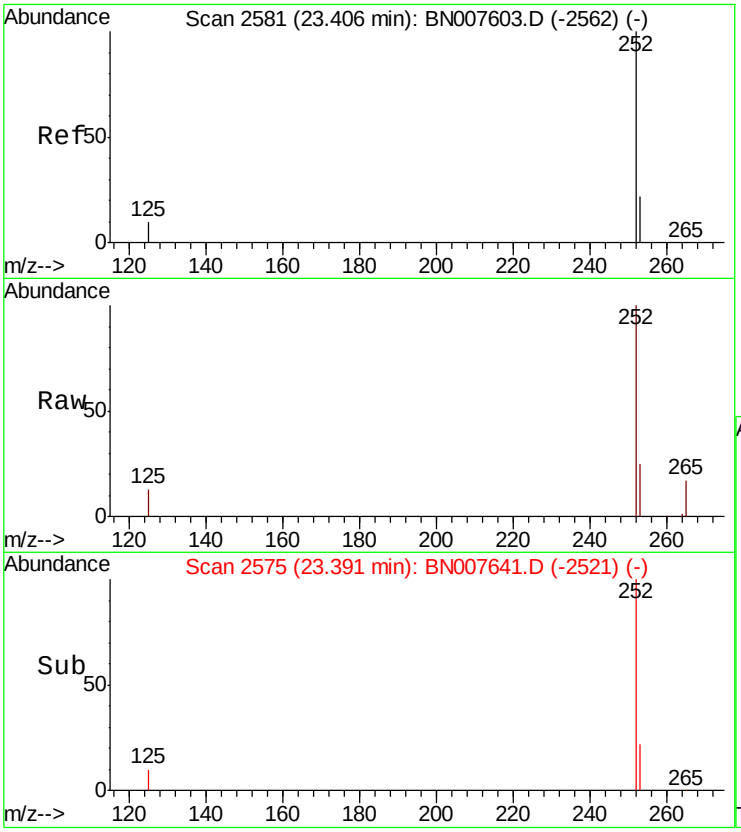


#36
Benzo(k)fluoranthene
Concen: 0.356 ng
RT: 22.87 min Scan# 2422
Delta R.T. -0.02 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Tgt Ion:252 Resp: 37975

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.3	27.5
125	11.6	8.9	13.3



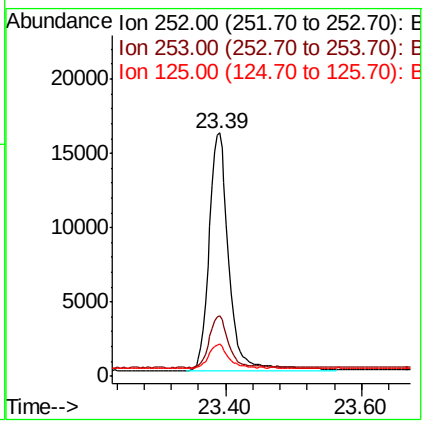


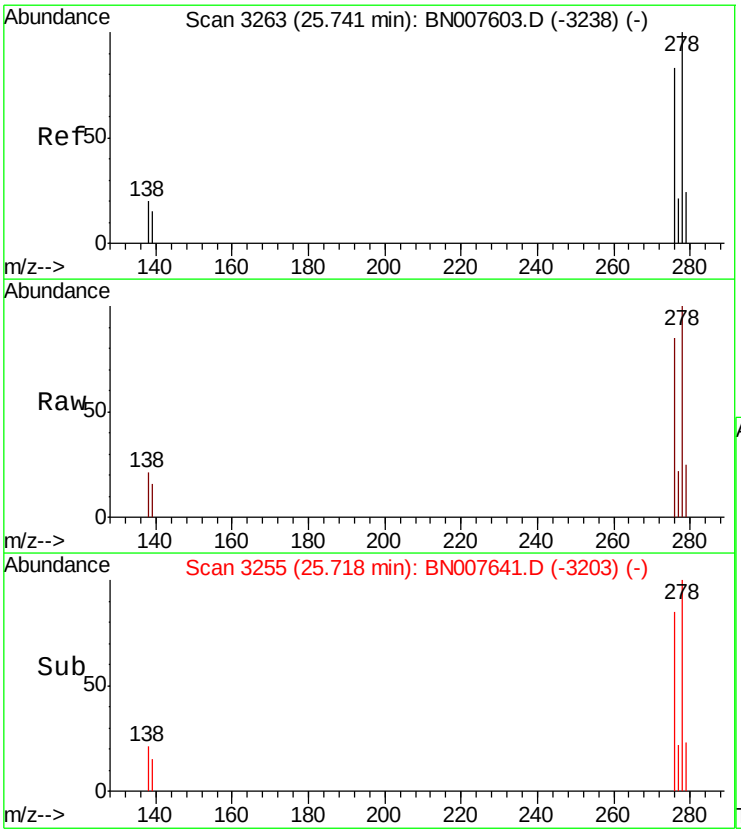
#37
Benzo(a)pyrene
Concen: 0.345 ng
RT: 23.39 min Scan# 2575
Delta R.T. -0.02 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Instrument :
BNA_N
ClientSampleId :
PB123061BSD

Tgt Ion:252 Resp: 31903

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.3	27.5
125	13.1	8.9	13.3

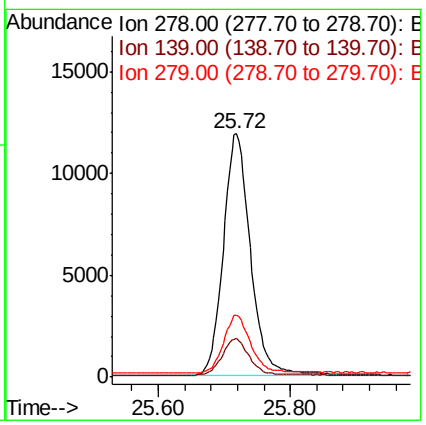


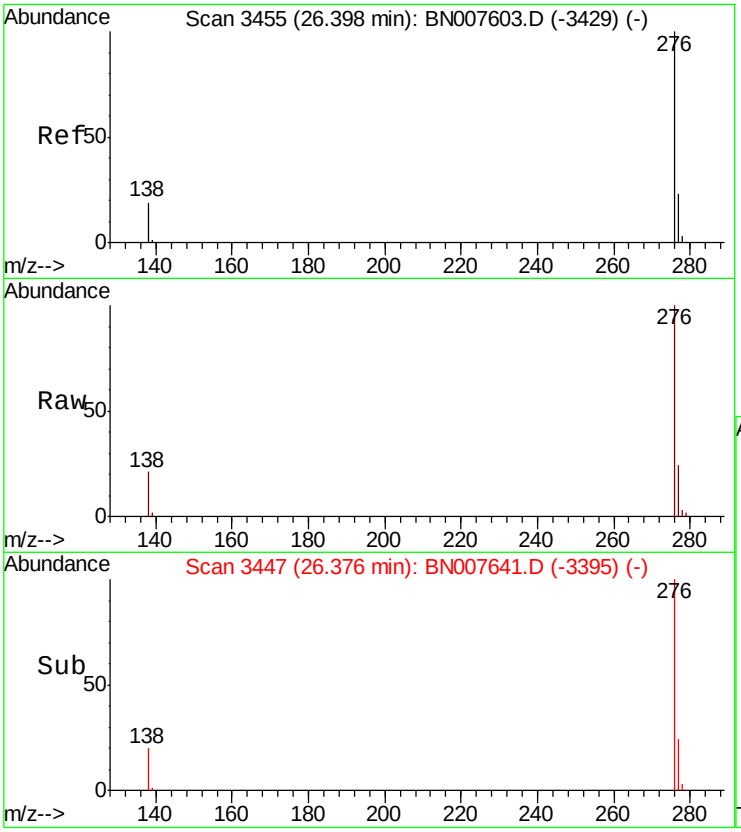


#38
Dibenzo(a,h)anthracene
Concen: 0.352 ng
RT: 25.72 min Scan# 3255
Delta R.T. -0.02 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Tgt Ion:278 Resp: 34093

Ion	Ratio	Lower	Upper
278	100		
139	15.8	12.6	18.8
279	25.2	19.6	29.4





#39
Benzo(g,h,i)perylene
Concen: 0.381 ng
RT: 26.38 min Scan# 3447
Delta R.T. -0.02 min
Lab File: BN007641.D
Acq: 13 Sep 2019 23:36

Instrument :
BNA_N
ClientSampleId :
PB123061BSD

Tgt Ion:276 Resp: 36508

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.1	28.7
138	20.5	15.8	23.6