Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN093019\
Data File : BN007895.D
Acq On : 30 Sep 2019 14:06
Operator : JU
Sample : PB123466BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB123466BS

Quant Time: Oct 01 07:15:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 18 18:24:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	9301	0.40	ng		0.00
7) Naphthalene-d8	10.46	136	36288	0.40	ng		-0.01
13) Acenaphthene-d10	14.31	164	20743	0.40	ng		-0.01
19) Phenanthrene-d10	17.06	188	39847	0.40	ng		-0.01
27) Chrysene-d12	21.25	240	29104	0.40	ng		-0.02
34) Perylene-d12	23.47	264	31408	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.31	112	8351	0.26	ng		0.00
5) Phenol-d6	6.87	99	10680	0.27	ng		0.00
8) Nitrobenzene-d5	8.83	82	9221	0.29	ng		0.00
11) 2-Methylnaphthalene-d10	12.05	152	19989	0.33	ng		-0.01
14) 2,4,6-Tribromophenol	15.81	330	2034	0.18	ng		-0.01
15) 2-Fluorobiphenyl	12.93	172	26353	0.31	ng		-0.01
25) Fluoranthene-d10	19.09	212	32898	0.24	ng		-0.01
29) Terphenyl-d14	19.70	244	27397	0.38	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.30	88	2583	0.249	ng	#	71
6) bis(2-Chloroethyl)ether	7.13	93	9057	0.344	ng		90
9) Naphthalene	10.51	128	30874	0.303	ng		100
10) Hexachlorobutadiene	10.81	225	6109	0.285	ng	#	100
12) 2-Methylnaphthalene	12.13	142	20390	0.296	ng		100
16) Acenaphthylene	14.03	152	29902	0.272	ng		100
17) Acenaphthene	14.38	154	18928	0.267	ng		98
18) Fluorene	15.36	166	23526	0.259	ng		100
20) 4-Bromophenyl-phenylether	16.26	248	7431	0.307	ng		99
21) Hexachlorobenzene	16.38	284	8218	0.311	ng		99
22) Pentachlorophenol	16.72	266	3495	0.358	ng		98
23) Phenanthrene	17.10	178	36063	0.291	ng		100
24) Anthracene	17.19	178	31931	0.285	ng		100
26) Fluoranthene	19.12	202	36187	0.234	ng		100
28) Pyrene	19.49	202	35541	0.358	ng		99
30) Benzo(a)anthracene	21.24	228	28537	0.266	ng		99
31) Chrysene	21.29	228	31646	0.303	ng		99
32) Bis(2-ethylhexyl)phthalate	21.19	149	12409	0.225	ng		98
33) Indeno(1,2,3-cd)pyrene	25.68	276	39143	0.299	ng		99
35) Benzo(b)fluoranthene	22.81	252	31106	0.285	ng		98
36) Benzo(k)fluoranthene	22.85	252	31093	0.288	ng		99
37) Benzo(a)pyrene	23.37	252	29995	0.293	ng		99
38) Dibenzo(a,h)anthracene	25.69	278	32114	0.306	ng		98
39) Benzo(g,h,i)perylene	26.35	276	33785	0.326	ng		99

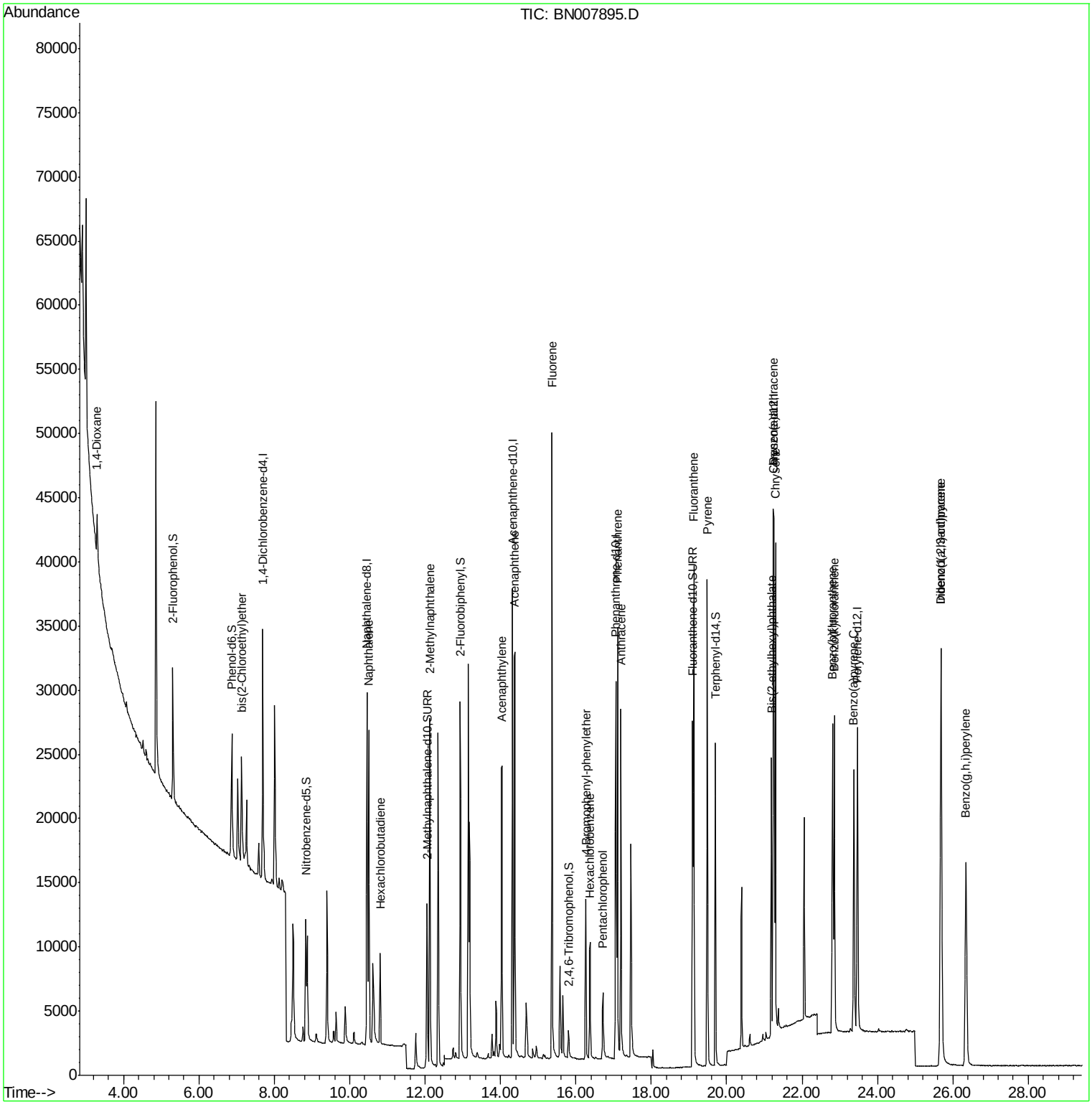
(#) = qualifier out of range (m) = manual integration (+) = signals summed

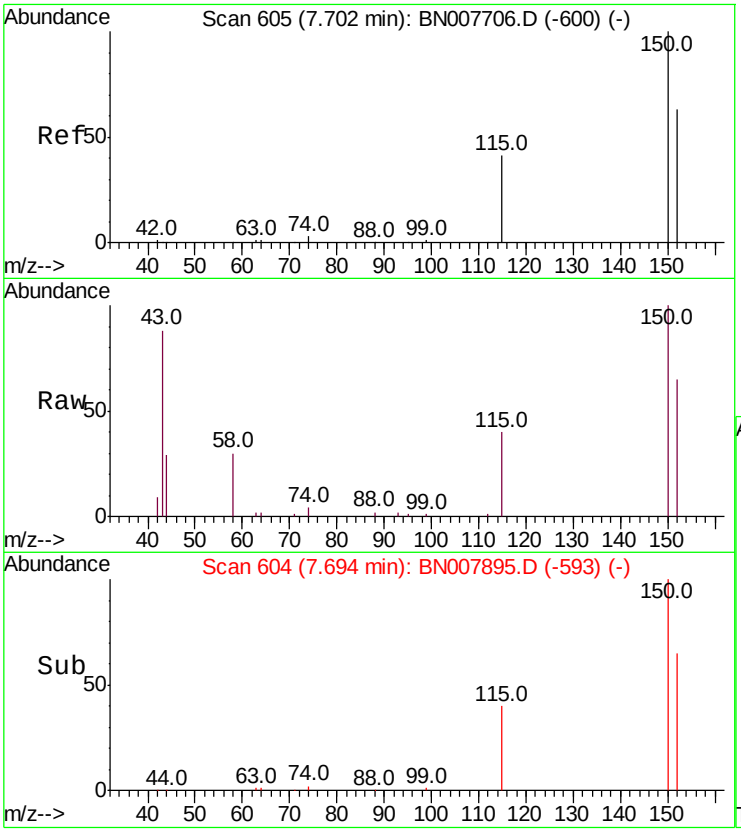
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN093019\
Data File : BN007895.D
Acq On : 30 Sep 2019 14:06
Operator : JU
Sample : PB123466BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB123466BS

Quant Time: Oct 01 07:15:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 18 18:24:40 2019
Response via : Initial Calibration



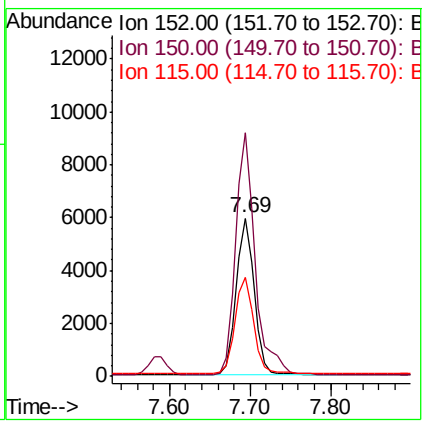


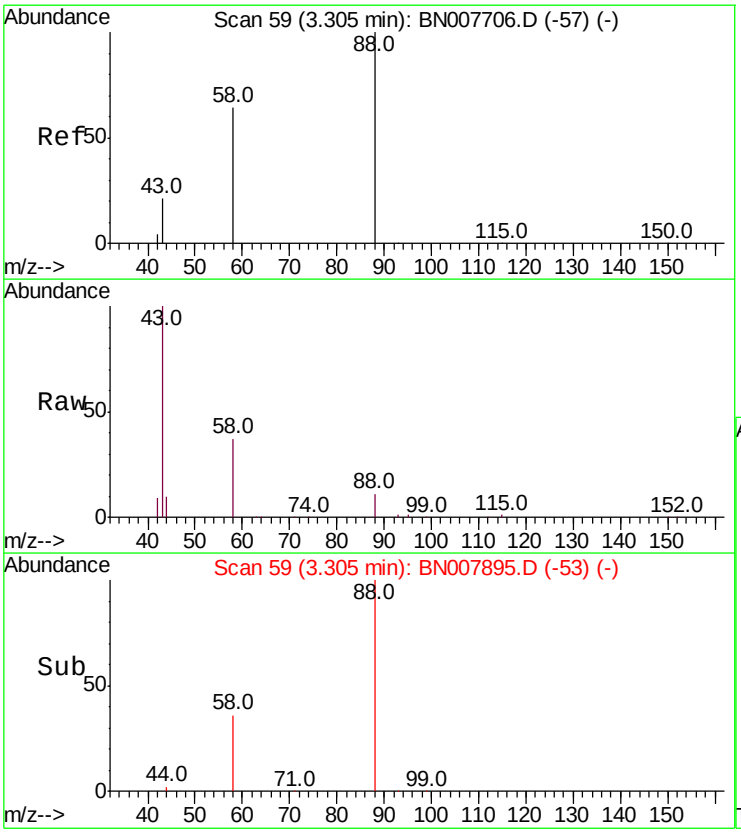
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Instrument :
BNA_N
ClientSampleId :
PB123466BS

Tgt Ion:152 Resp: 9301

Ion	Ratio	Lower	Upper
152	100		
150	154.1	125.6	188.4
115	62.3	53.3	79.9

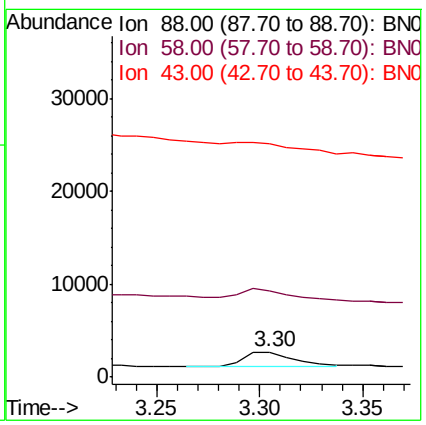


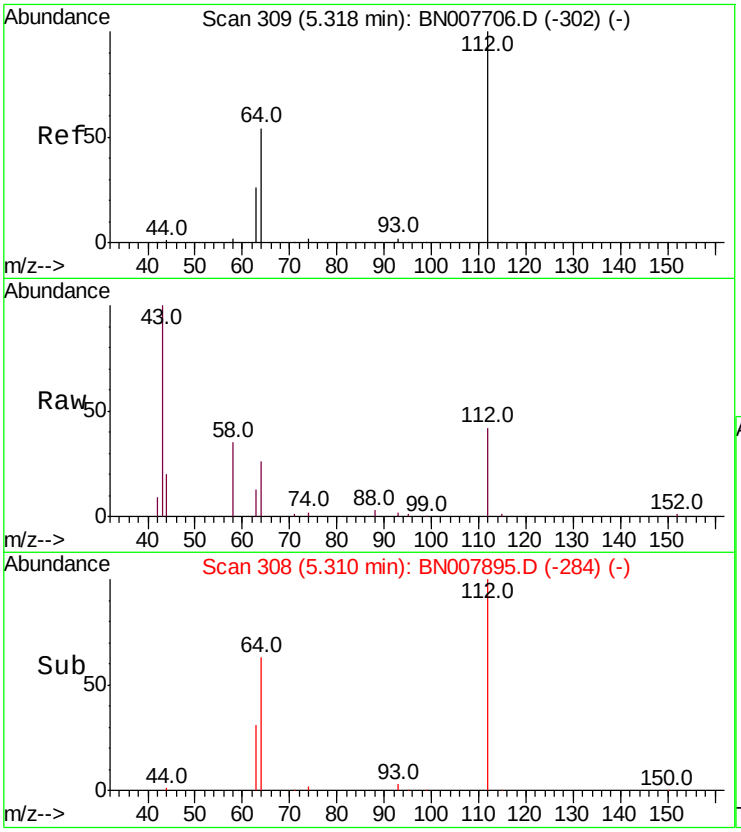


#2
1,4-Dioxane
Concen: 0.249 ng
RT: 3.30 min Scan# 59
Delta R.T. -0.00 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Tgt Ion: 88 Resp: 2583

Ion	Ratio	Lower	Upper
88	100		
58	73.7	44.6	66.8#
43	0.0	14.4	21.6#



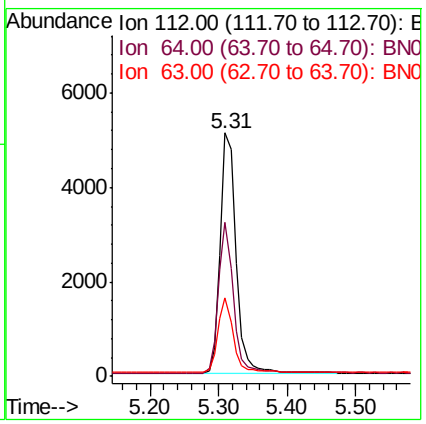


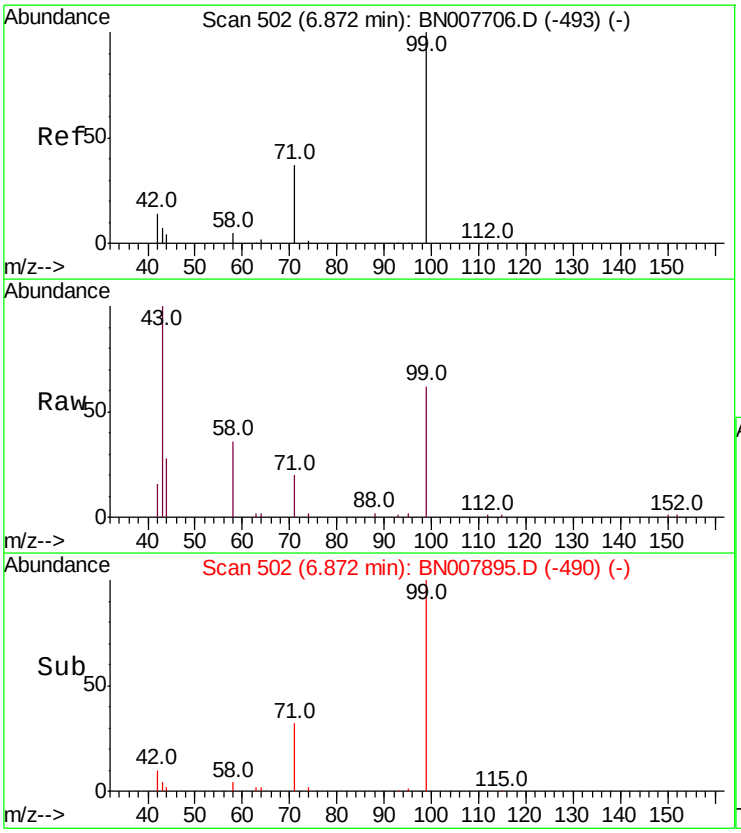
#4
2-Fluorophenol
Concen: 0.261 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Instrument :
BNA_N
ClientSampleId :
PB123466BS

Tgt Ion:112 Resp: 8351

Ion	Ratio	Lower	Upper
112	100		
64	58.4	46.6	70.0
63	29.5	23.1	34.7

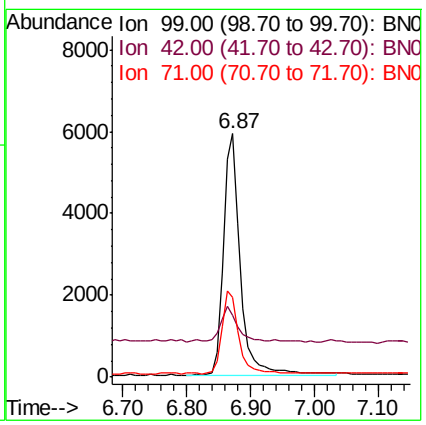


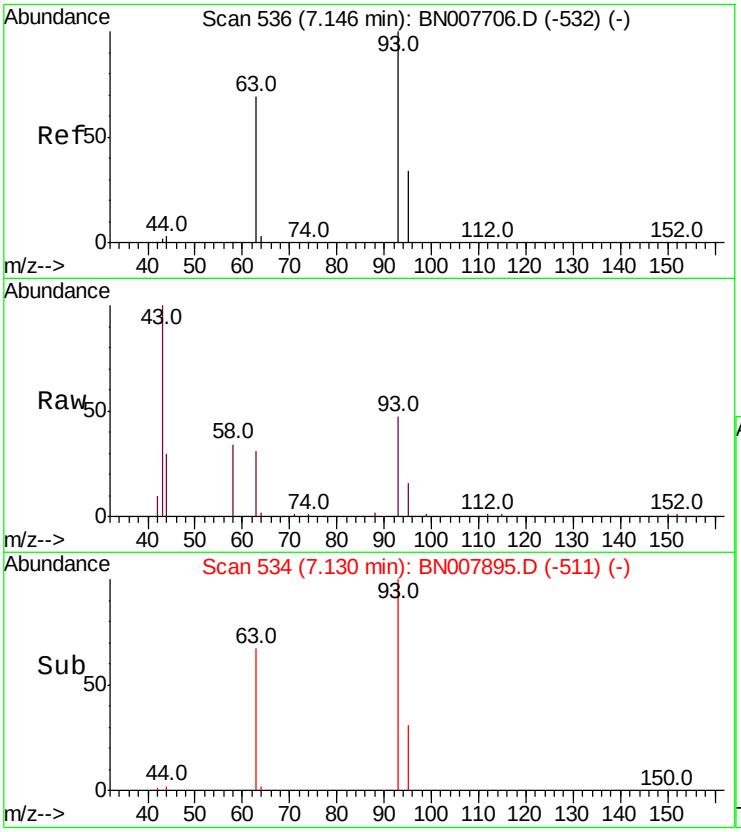


#5
Phenol-d6
Concen: 0.266 ng
RT: 6.87 min Scan# 502
Delta R.T. 0.00 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Tgt Ion: 99 Resp: 10680

Ion	Ratio	Lower	Upper
99	100		
42	13.7	12.8	19.2
71	34.2	27.6	41.4



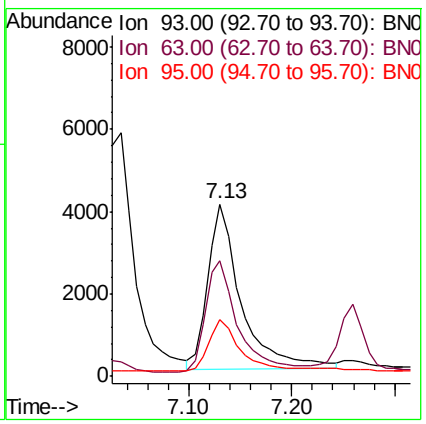


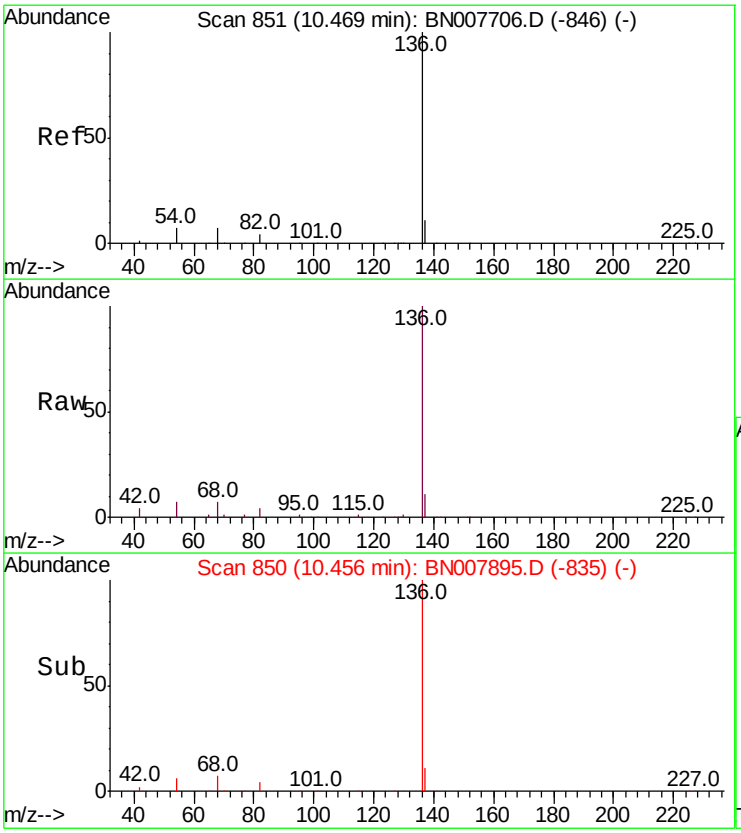
#6
bis(2-Chloroethyl)ether
Concen: 0.344 ng
RT: 7.13 min Scan# 534
Delta R.T. -0.02 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Instrument :
BNA_N
ClientSampleId :
PB123466BS

Tgt Ion: 93 Resp: 9057

Ion	Ratio	Lower	Upper
93	100		
63	65.6	59.3	88.9
95	33.2	31.4	47.0

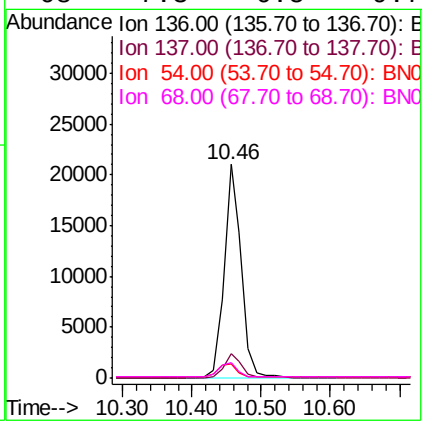


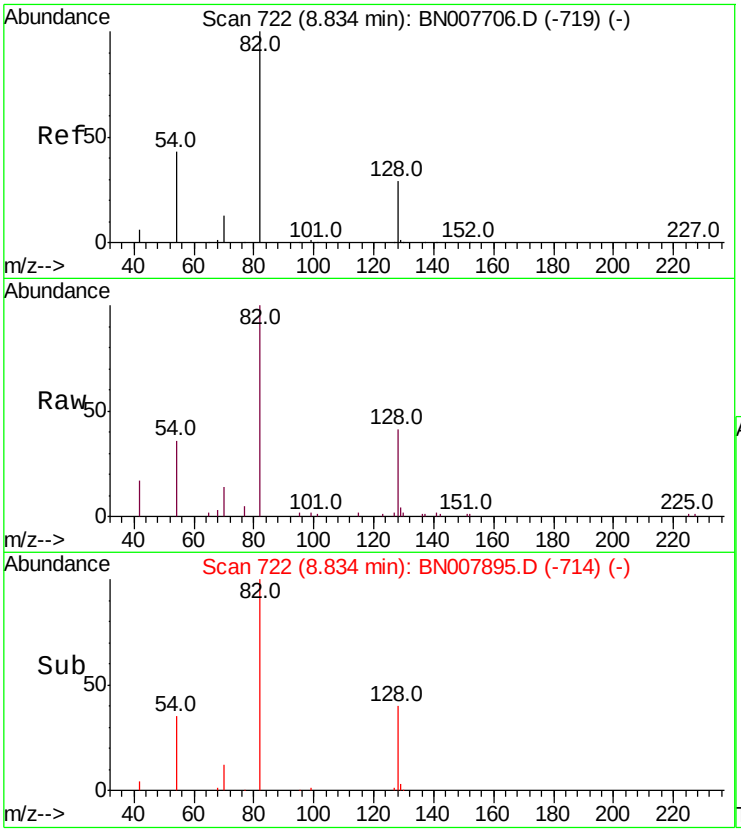


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.46 min Scan# 850
Delta R.T. -0.01 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Tgt Ion:136 Resp: 36288

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	6.8	5.8	8.8
68	7.3	6.5	9.7



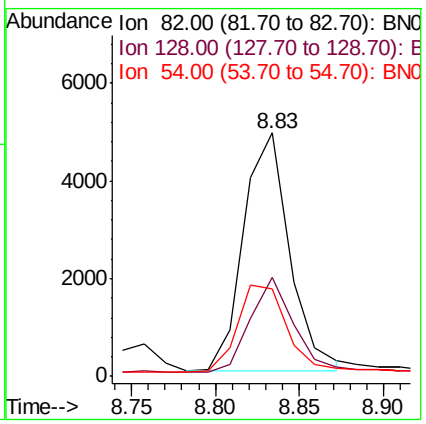


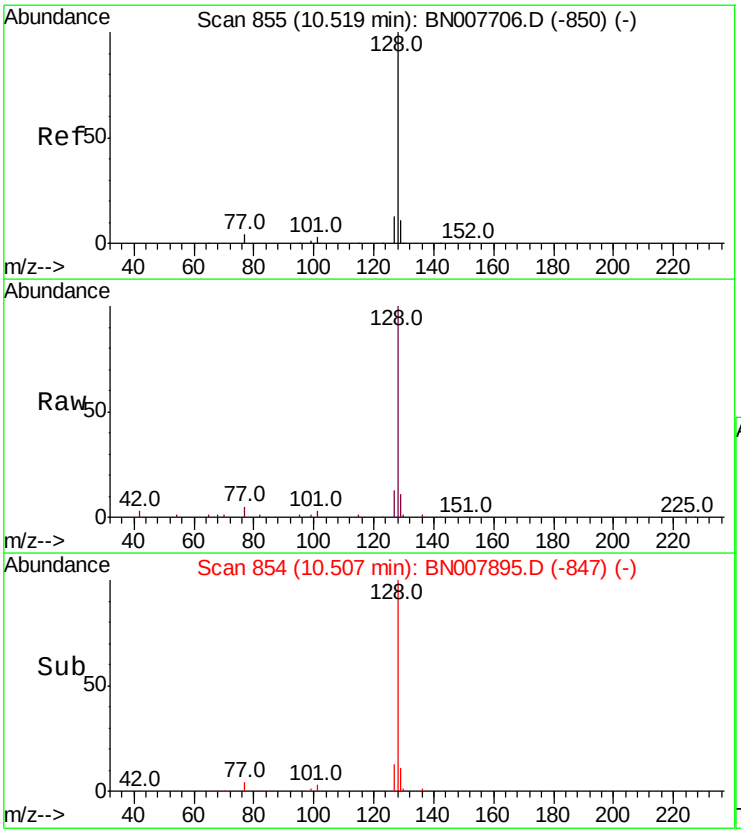
#8
Nitrobenzene-d5
Concen: 0.291 ng
RT: 8.83 min Scan# 722
Delta R.T. -0.00 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Instrument :
BNA_N
ClientSampleId :
PB123466BS

Tgt Ion: 82 Resp: 9221

Ion	Ratio	Lower	Upper
82	100		
128	40.5	24.5	36.7#
54	35.8	35.2	52.8

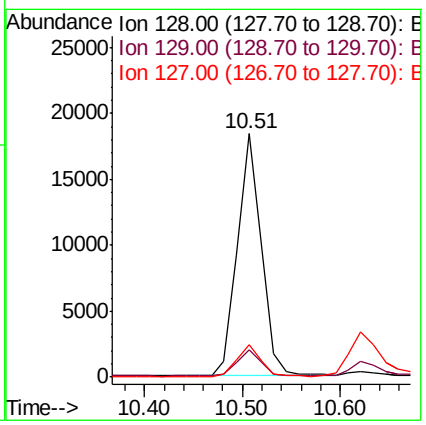


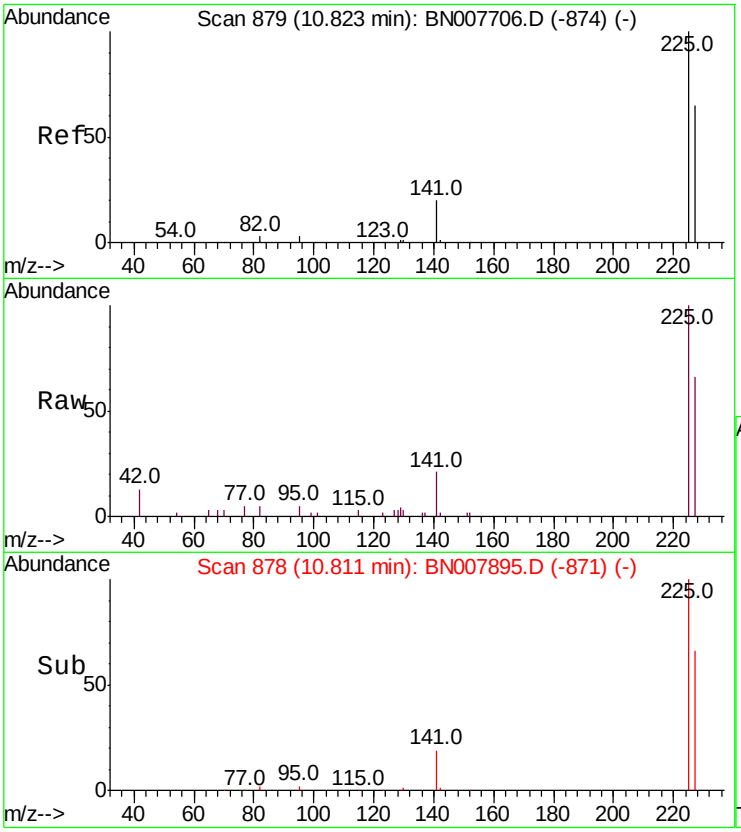


#9
Naphthalene
Concen: 0.303 ng
RT: 10.51 min Scan# 854
Delta R.T. -0.01 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Tgt Ion:128 Resp: 30874

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.1	13.7
127	13.2	10.6	15.8



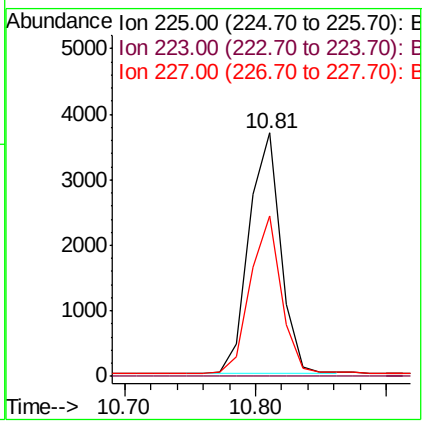


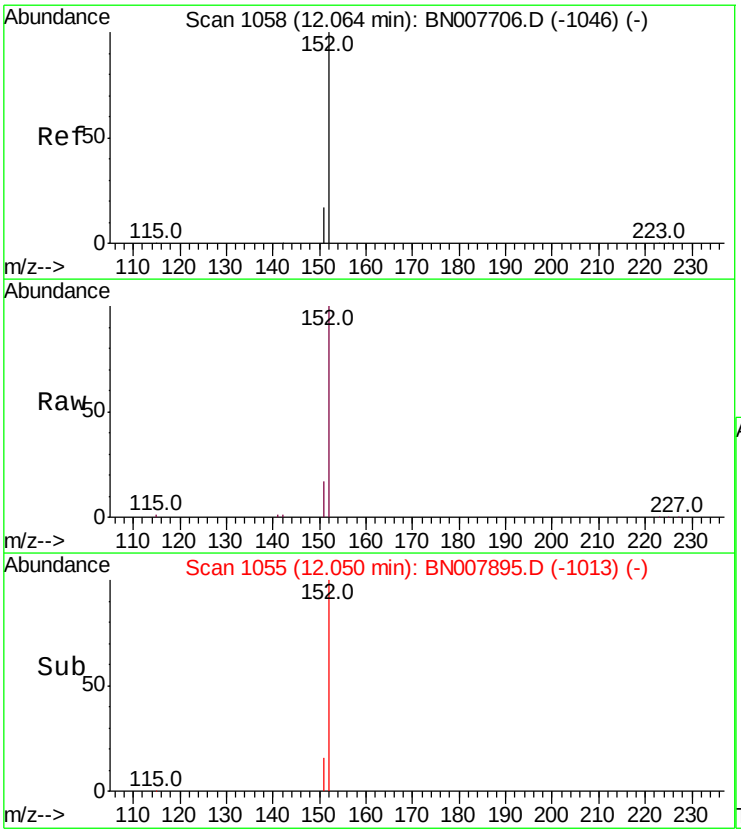
#10
Hexachlorobutadiene
Concen: 0.285 ng
RT: 10.81 min Scan# 878
Delta R.T. -0.01 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Instrument :
BNA_N
ClientSampleId :
PB123466BS

Tgt Ion:225 Resp: 6109

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	51.2	76.8

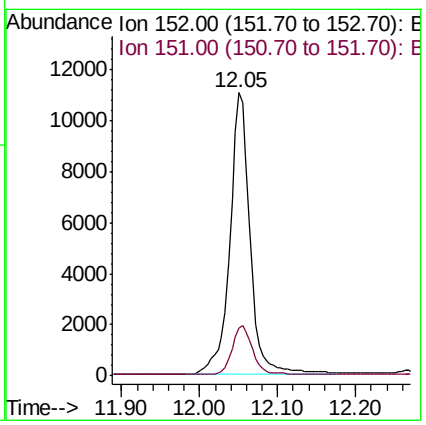


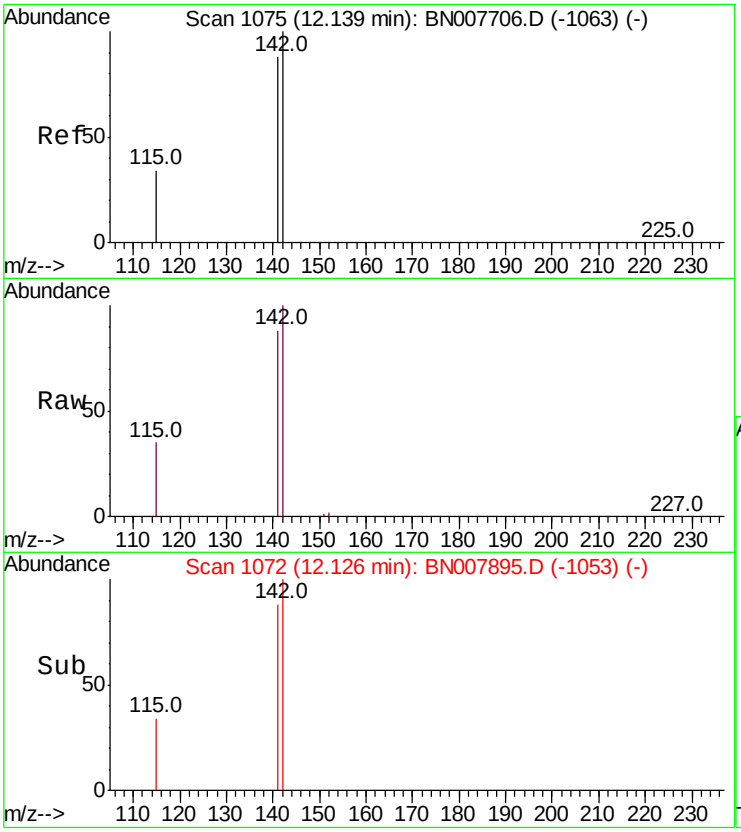


#11
2-Methylnaphthalene-d10
Concen: 0.327 ng
RT: 12.05 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Tgt Ion:152 Resp: 19989

Ion	Ratio	Lower	Upper
152	100		
151	17.7	15.4	23.2



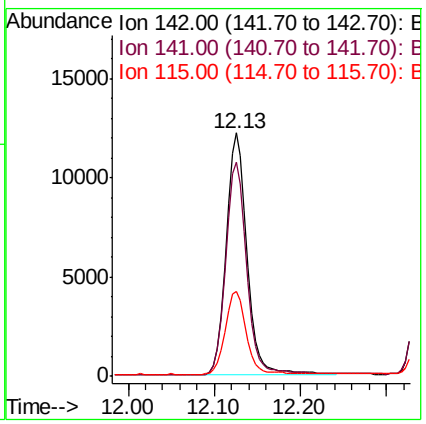


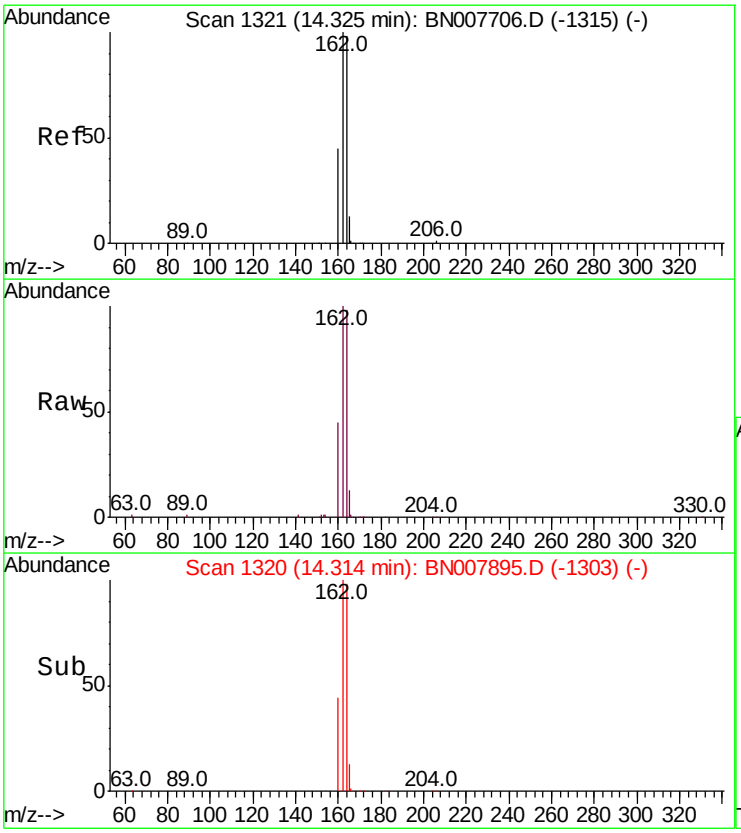
#12
2-Methylnaphthalene
Concen: 0.296 ng
RT: 12.13 min Scan# 1072
Delta R.T. -0.01 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Instrument :
BNA_N
ClientSampleId :
PB123466BS

Tgt Ion:142 Resp: 20390

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.6	106.0
115	35.1	28.3	42.5

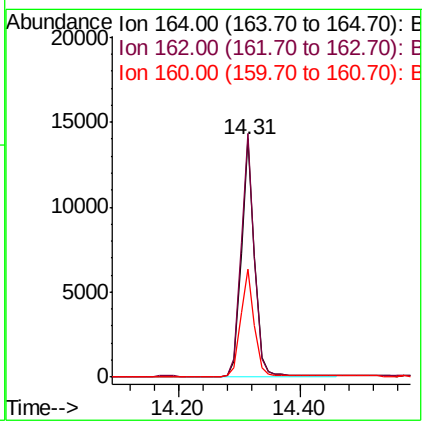


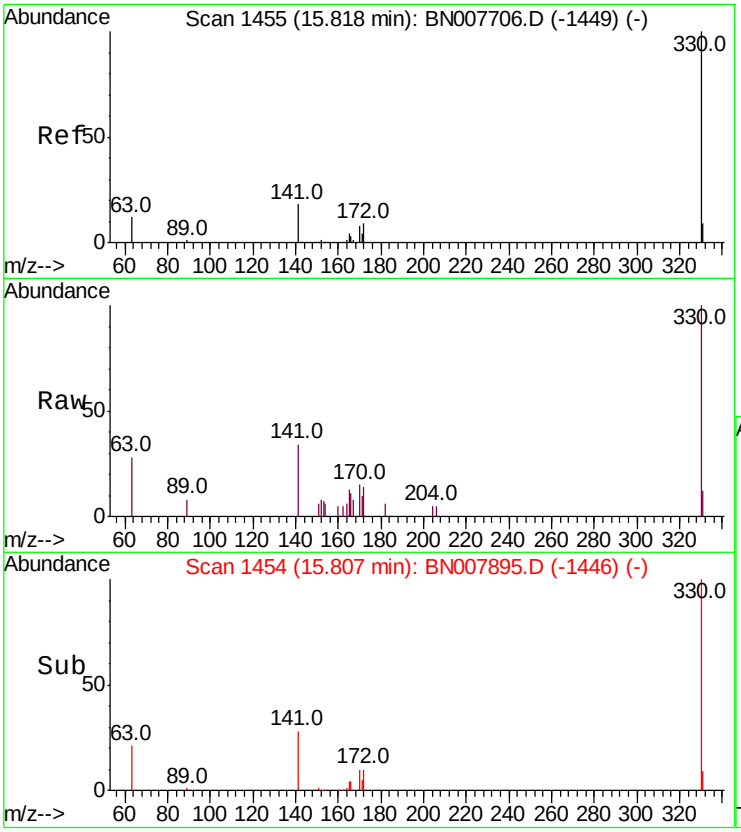


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Tgt Ion:164 Resp: 20743

Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.7	122.5
160	45.6	37.0	55.4



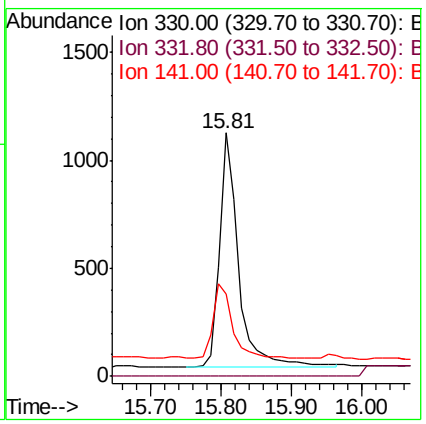


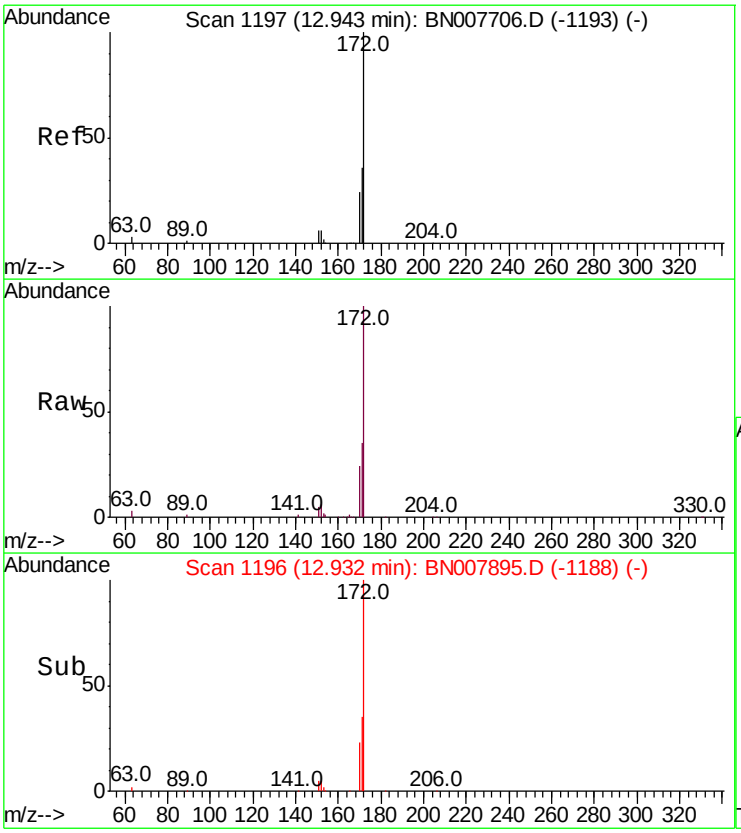
#14
2,4,6-Tribromophenol
Concen: 0.180 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Instrument :
BNA_N
ClientSampleId :
PB123466BS

Tgt Ion:330 Resp: 2034

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	32.5	28.7	43.1

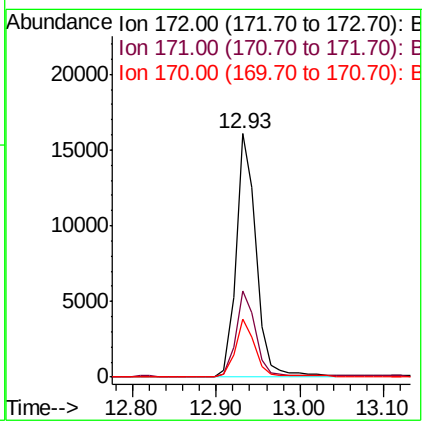


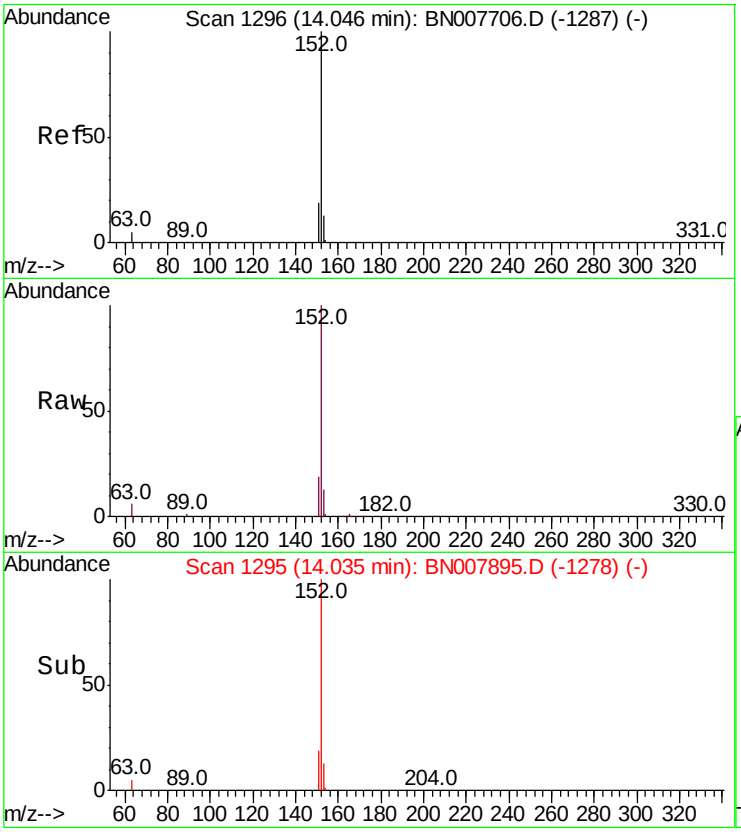


#15
2-Fluorobiphenyl
Concen: 0.308 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Tgt Ion:172 Resp: 26353

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.8	43.2
170	23.7	19.5	29.3



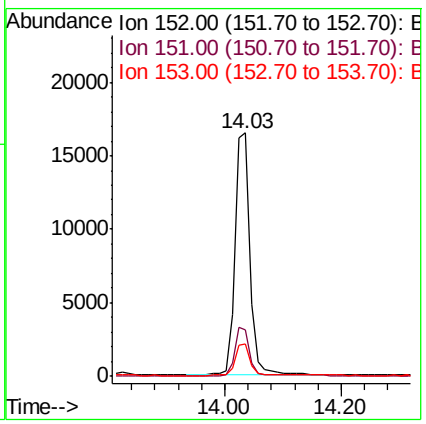


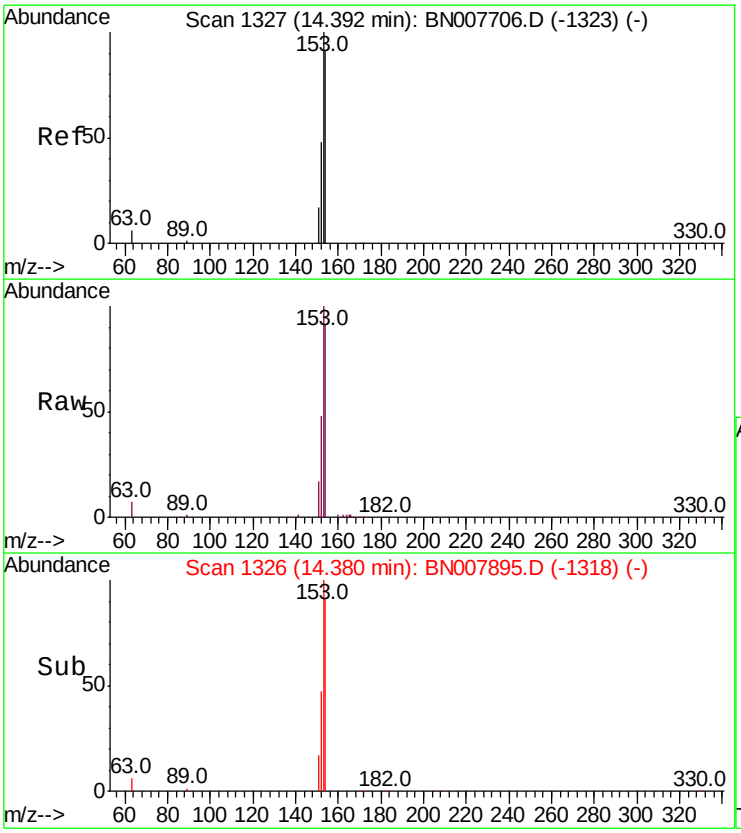
#16
Acenaphthylene
Concen: 0.272 ng
RT: 14.03 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Instrument :
BNA_N
ClientSampleId :
PB123466BS

Tgt Ion:152 Resp: 29902

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.5	23.3
153	12.9	10.4	15.6

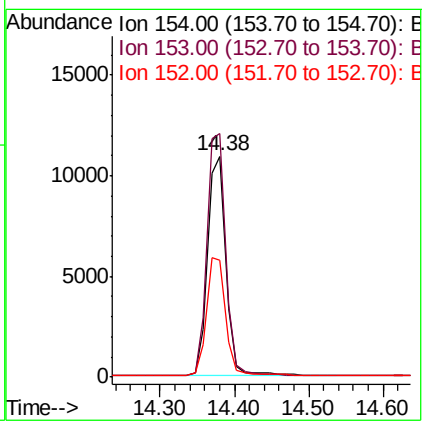


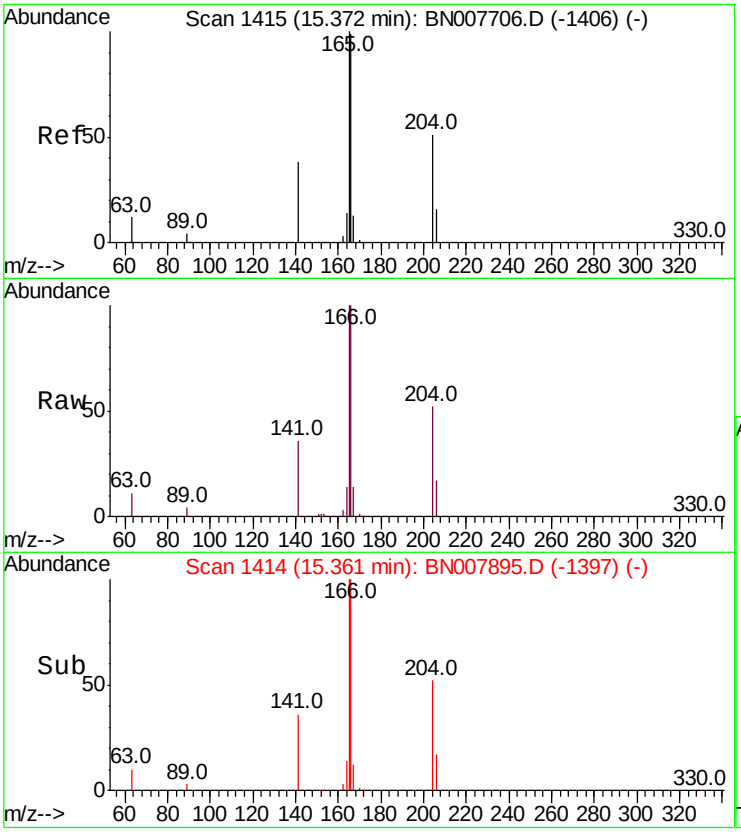


#17
Acenaphthene
Concen: 0.267 ng
RT: 14.38 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Tgt Ion:154 Resp: 18928

Ion	Ratio	Lower	Upper
154	100		
153	111.6	87.0	130.4
152	54.6	42.7	64.1



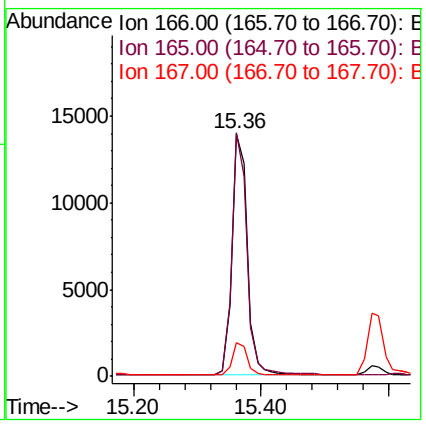


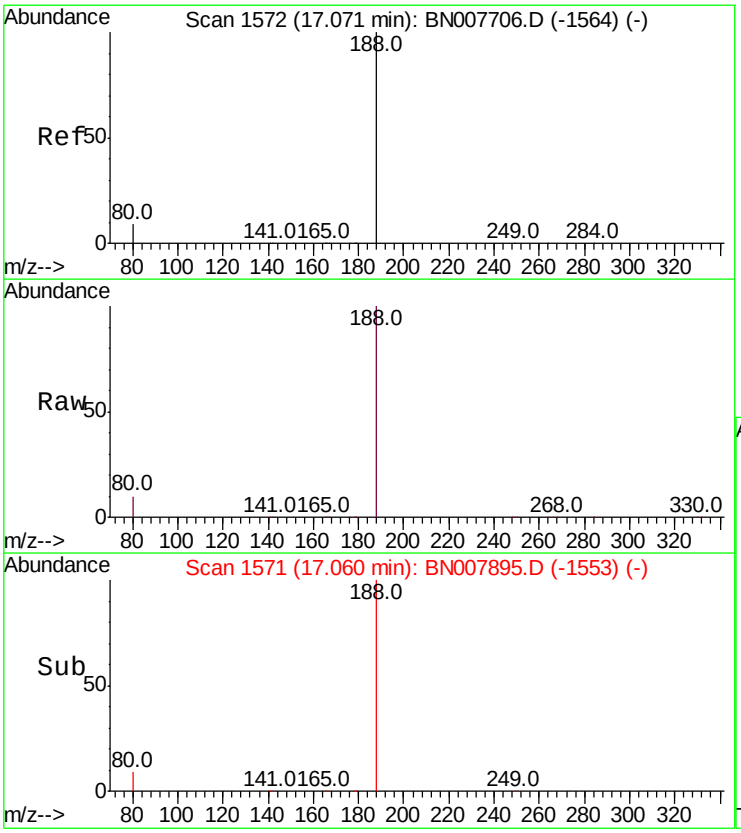
#18
Fluorene
Concen: 0.259 ng
RT: 15.36 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Instrument :
BNA_N
ClientSampleId :
PB123466BS

Tgt Ion:166 Resp: 23526

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.0	117.0
167	13.3	10.9	16.3

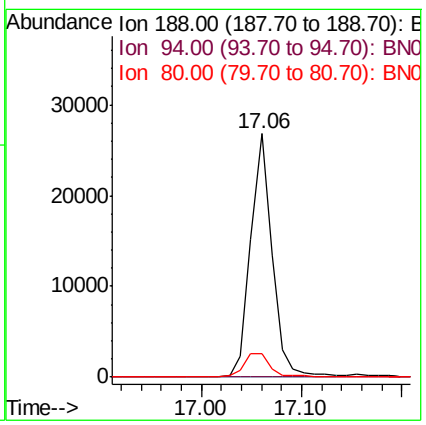


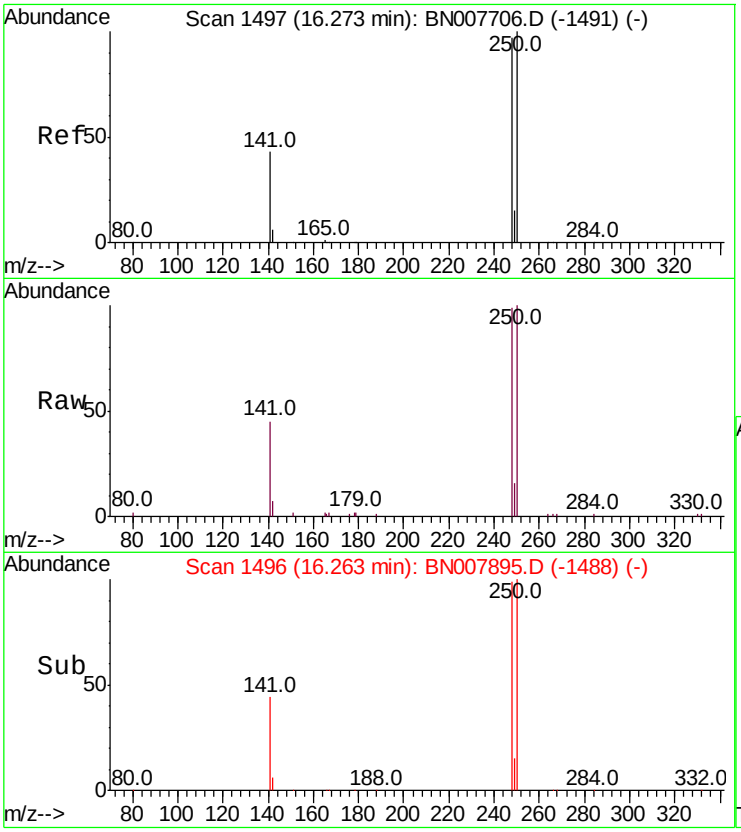


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Tgt Ion:188 Resp: 39847

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.5	7.4	11.2



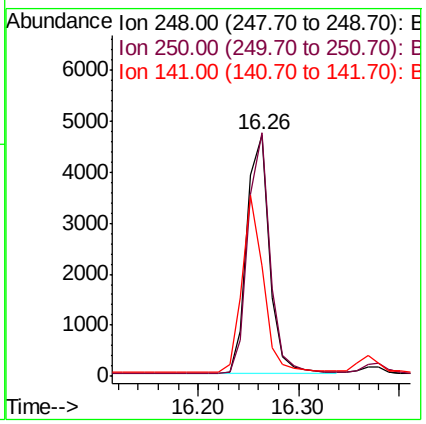


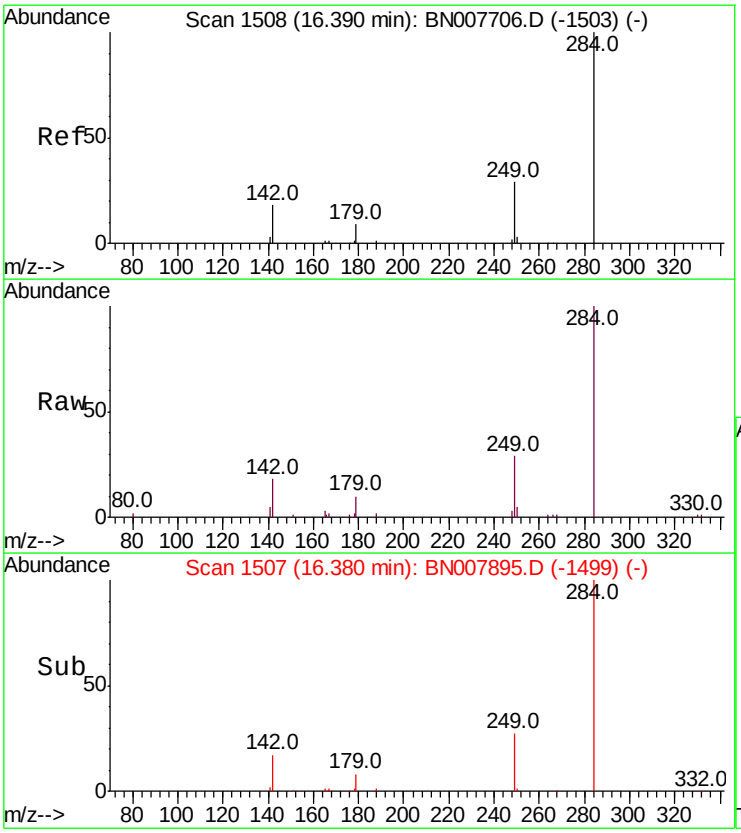
#20
4-Bromophenyl-phenylether
Concen: 0.307 ng
RT: 16.26 min Scan# 1496
Delta R.T. -0.01 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Instrument :
BNA_N
ClientSampleId :
PB123466BS

Tgt Ion:248 Resp: 7431

Ion	Ratio	Lower	Upper
248	100		
250	100.9	82.2	123.4
141	45.6	36.3	54.5

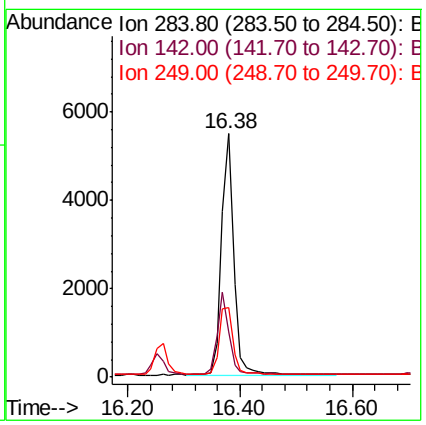


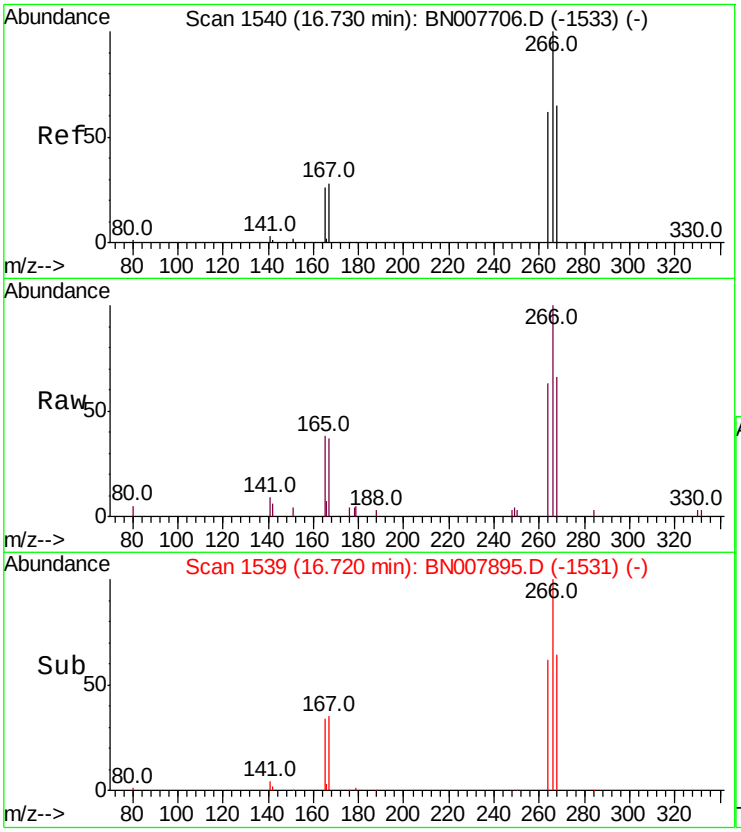


#21
Hexachlorobenzene
Concen: 0.311 ng
RT: 16.38 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Tgt Ion:284 Resp: 8218

Ion	Ratio	Lower	Upper
284	100		
142	32.1	25.8	38.6
249	31.4	25.9	38.9



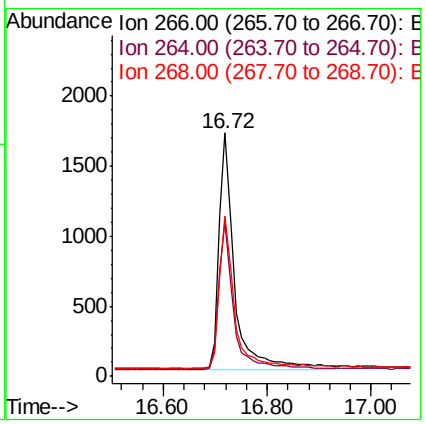


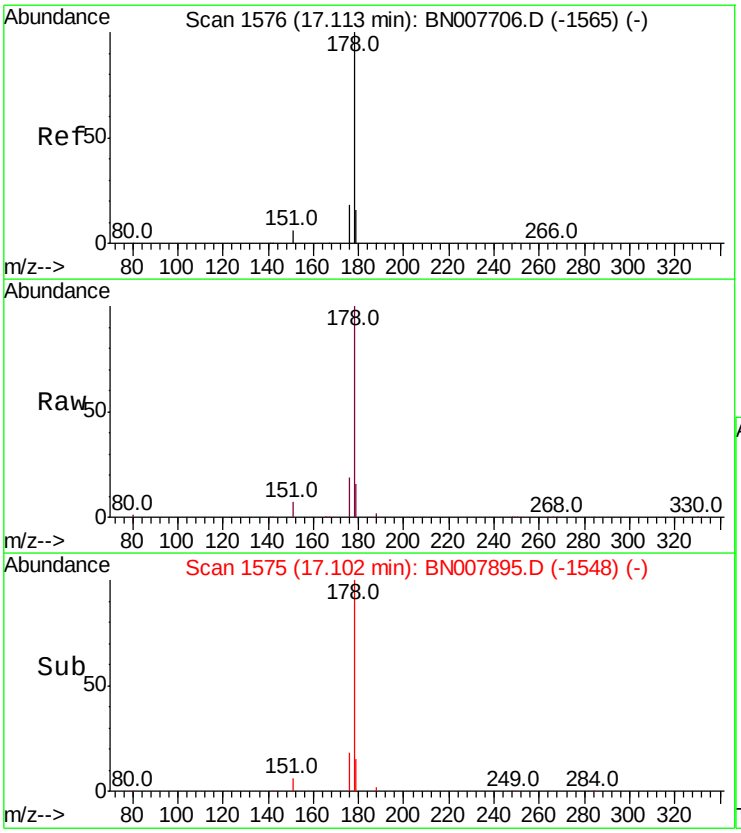
#22
Pentachlorophenol
Concen: 0.358 ng
RT: 16.72 min Scan# 1539
Delta R.T. -0.01 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Instrument :
BNA_N
ClientSampleId :
PB123466BS

Tgt Ion:266 Resp: 3495

Ion	Ratio	Lower	Upper
266	100		
264	63.1	50.0	75.0
268	65.7	54.2	81.4

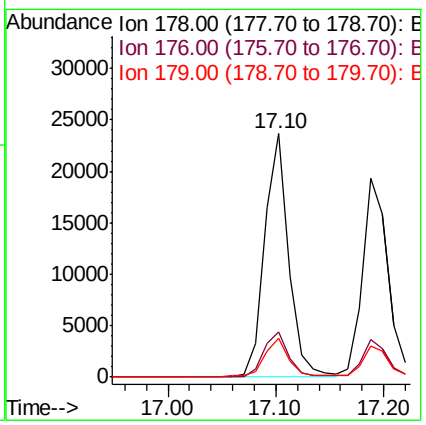


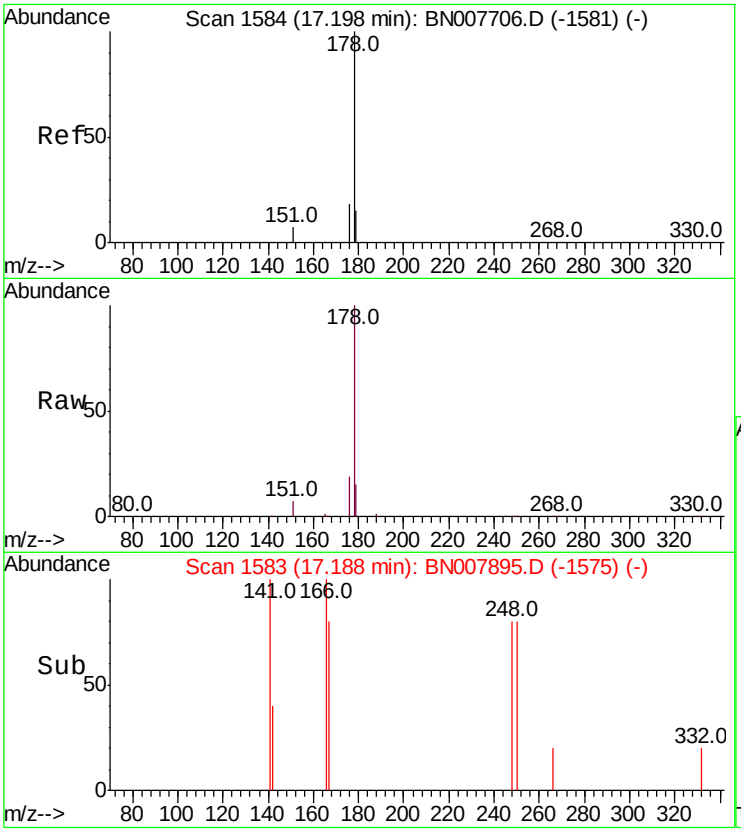


#23
Phenanthrene
Concen: 0.291 ng
RT: 17.10 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Tgt Ion:178 Resp: 36063

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.4	12.5	18.7



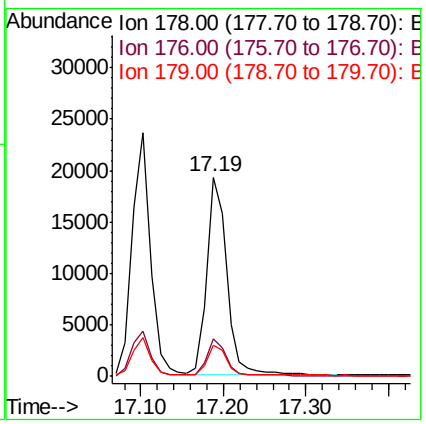


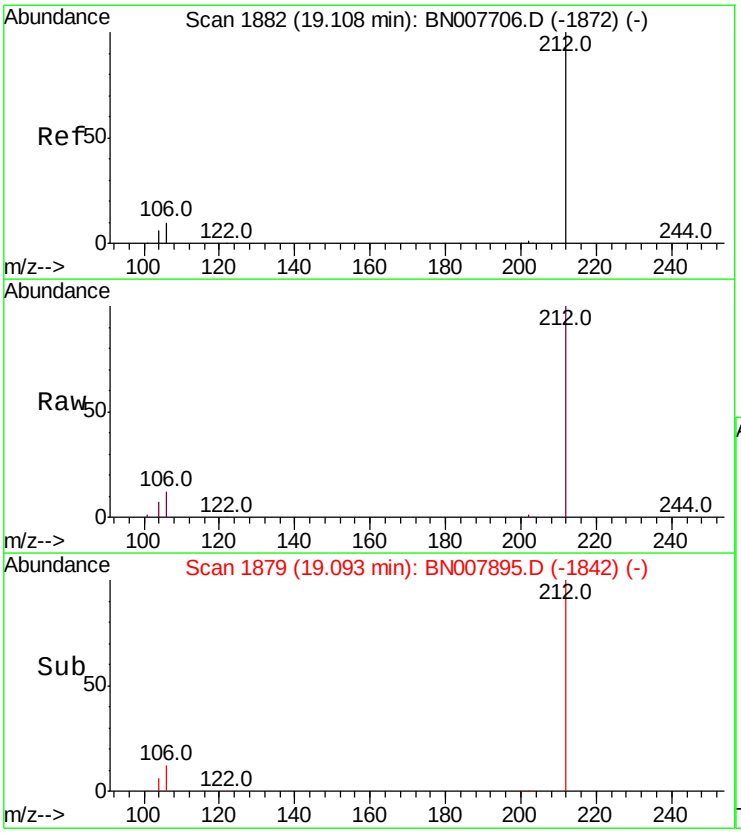
#24
Anthracene
Concen: 0.285 ng
RT: 17.19 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Instrument :
BNA_N
ClientSampleId :
PB123466BS

Tgt Ion:178 Resp: 31931

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	21.8
179	15.1	12.2	18.4

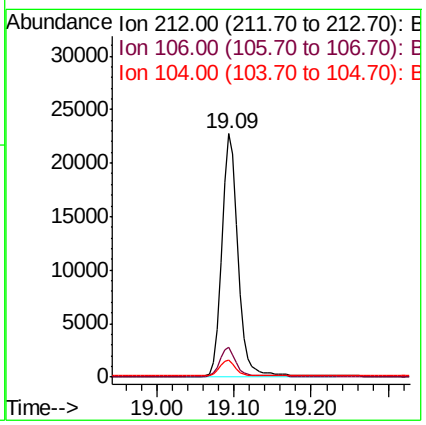


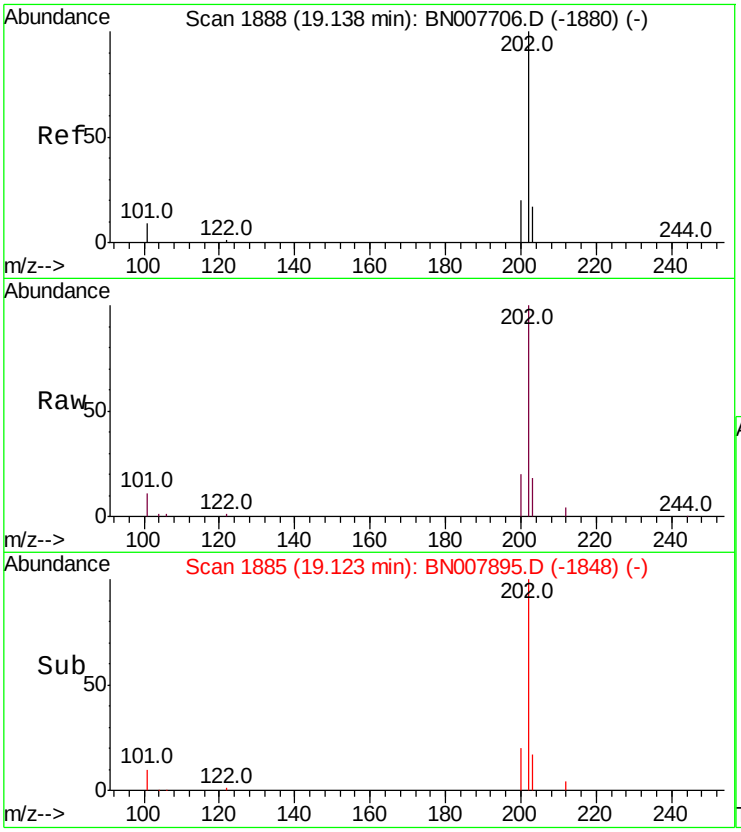


#25
Fluoranthene-d10
Concen: 0.245 ng
RT: 19.09 min Scan# 1879
Delta R.T. -0.01 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Tgt Ion:212 Resp: 32898

Ion	Ratio	Lower	Upper
212	100		
106	11.8	9.4	14.0
104	6.7	5.3	7.9



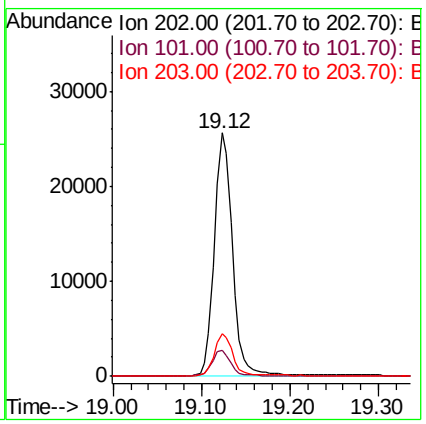


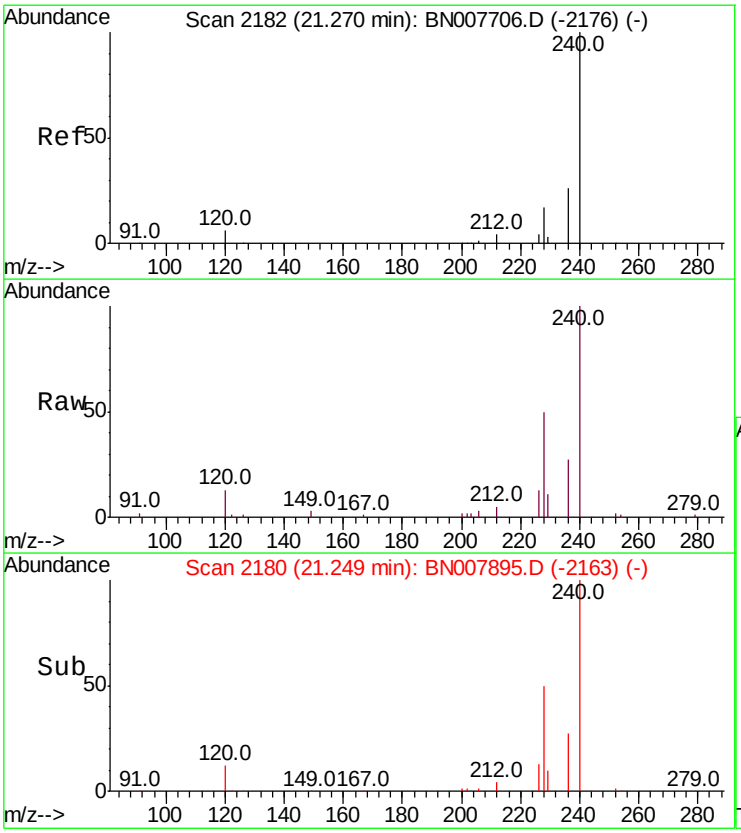
#26
Fluoranthene
Concen: 0.234 ng
RT: 19.12 min Scan# 1885
Delta R.T. -0.01 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Instrument :
BNA_N
ClientSampleId :
PB123466BS

Tgt Ion:202 Resp: 36187

Ion	Ratio	Lower	Upper
202	100		
101	10.6	8.4	12.6
203	17.2	13.8	20.8

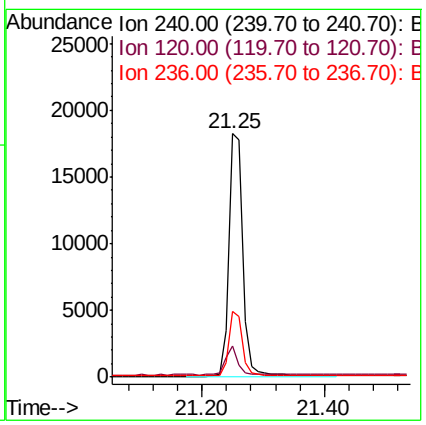


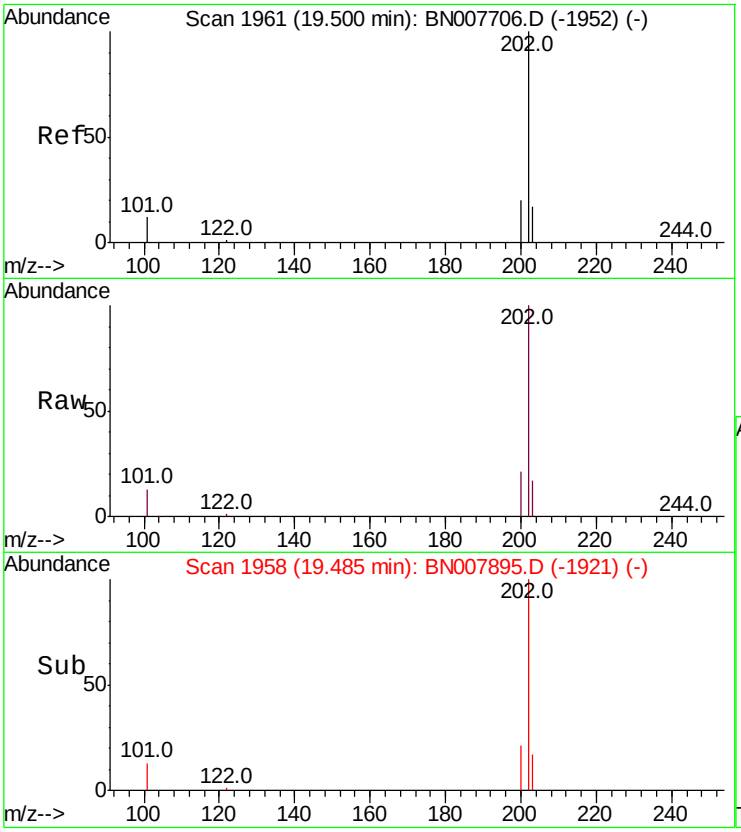


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2180
Delta R.T. -0.02 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Tgt Ion:240 Resp: 29104

Ion	Ratio	Lower	Upper
240	100		
120	12.8	5.4	8.2#
236	27.2	21.0	31.4



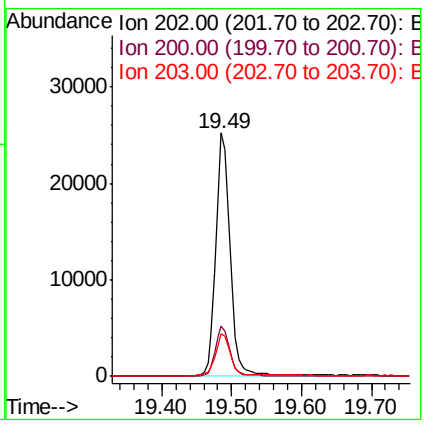


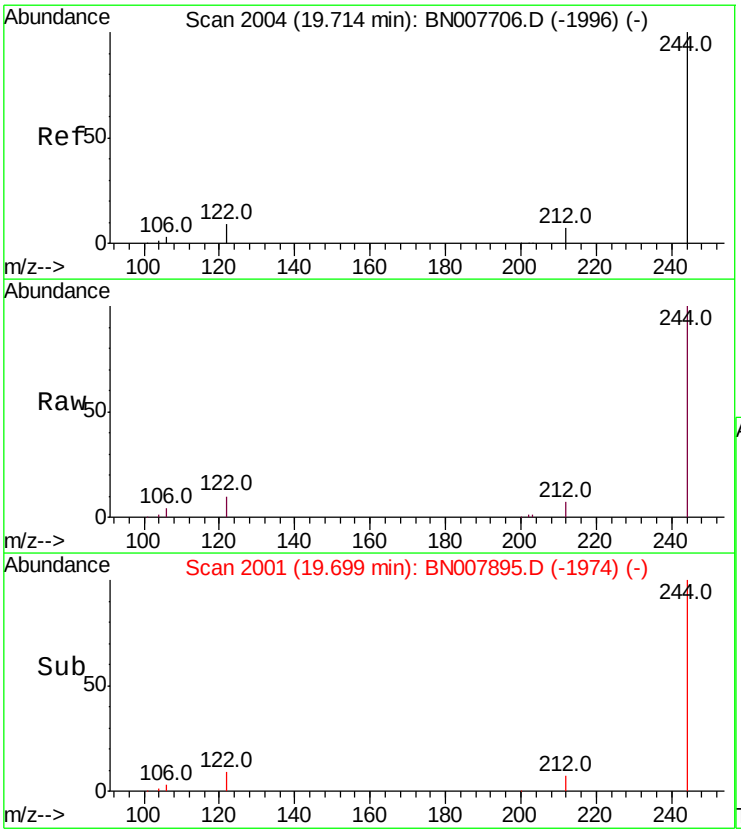
#28
Pyrene
Concen: 0.358 ng
RT: 19.49 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Instrument :
BNA_N
ClientSampleId :
PB123466BS

Tgt Ion:202 Resp: 35541

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.4	24.6
203	17.9	14.1	21.1

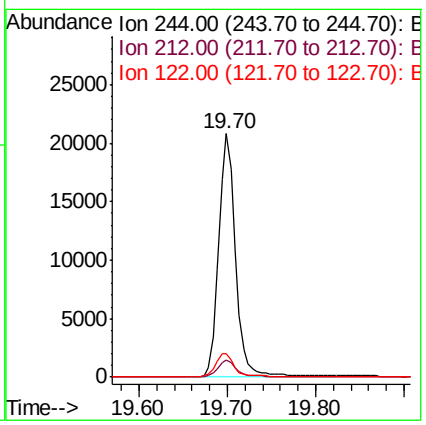


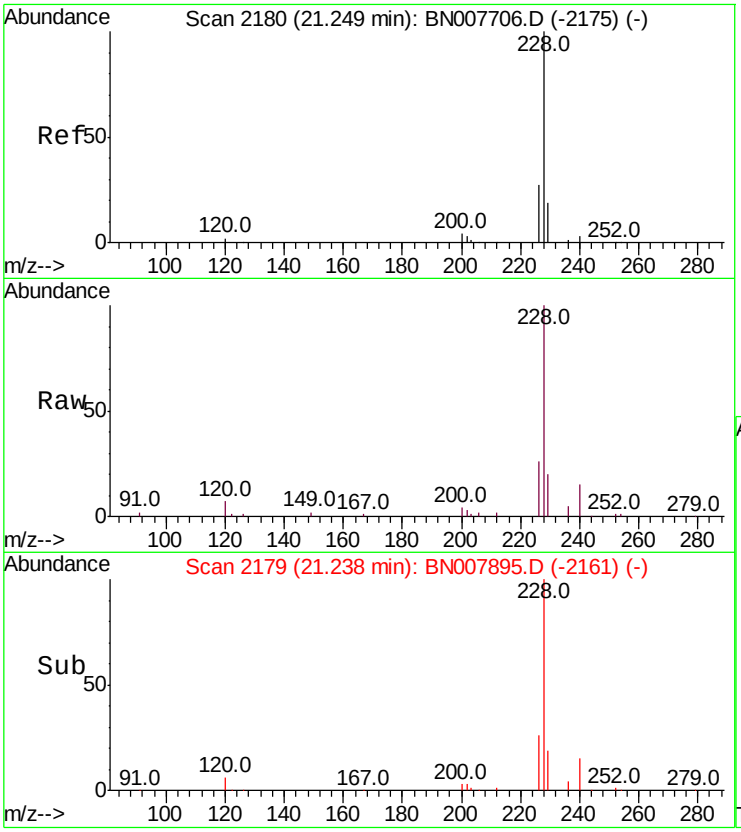


#29
Terphenyl-d14
Concen: 0.383 ng
RT: 19.70 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Tgt Ion:244 Resp: 27397

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	9.7	7.4	11.2



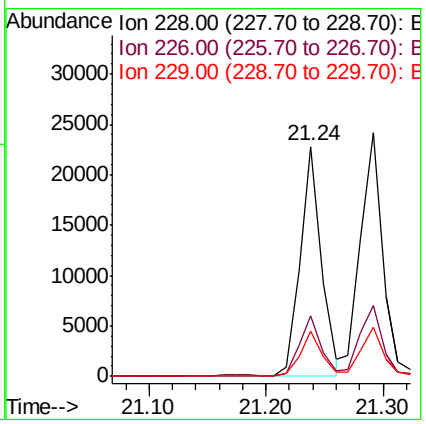


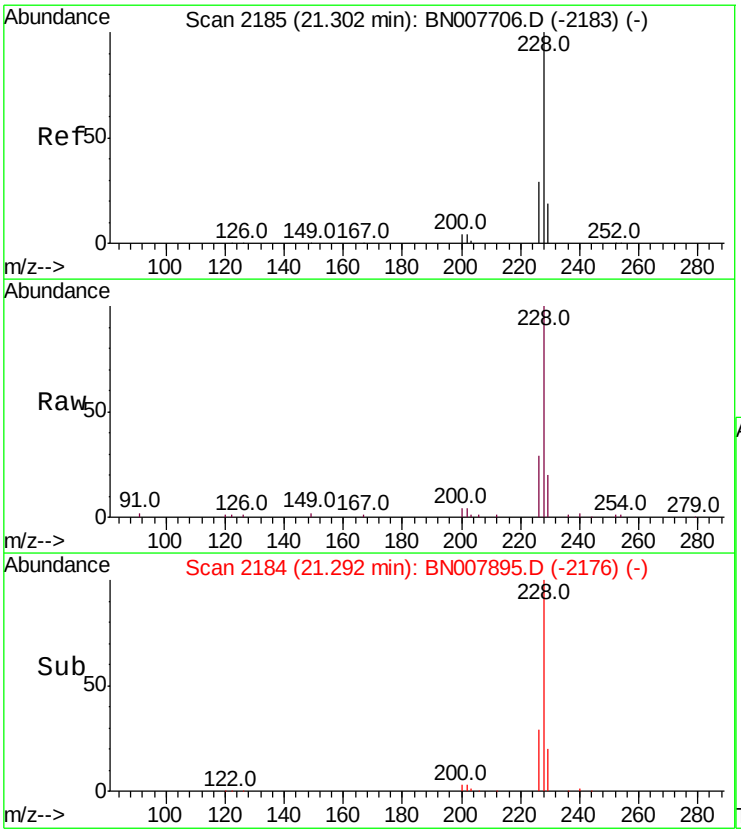
#30
Benzo(a)anthracene
Concen: 0.266 ng
RT: 21.24 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Instrument :
BNA_N
ClientSampleId :
PB123466BS

Tgt Ion:228 Resp: 28537

Ion	Ratio	Lower	Upper
228	100		
226	26.4	22.1	33.1
229	19.7	15.8	23.6

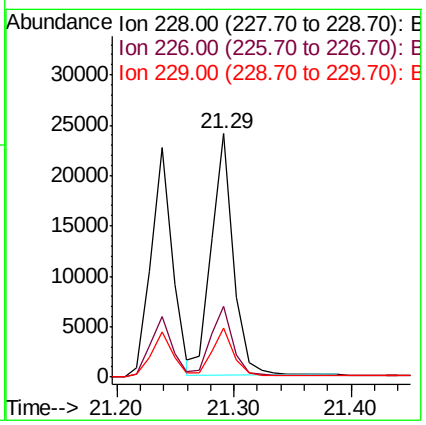


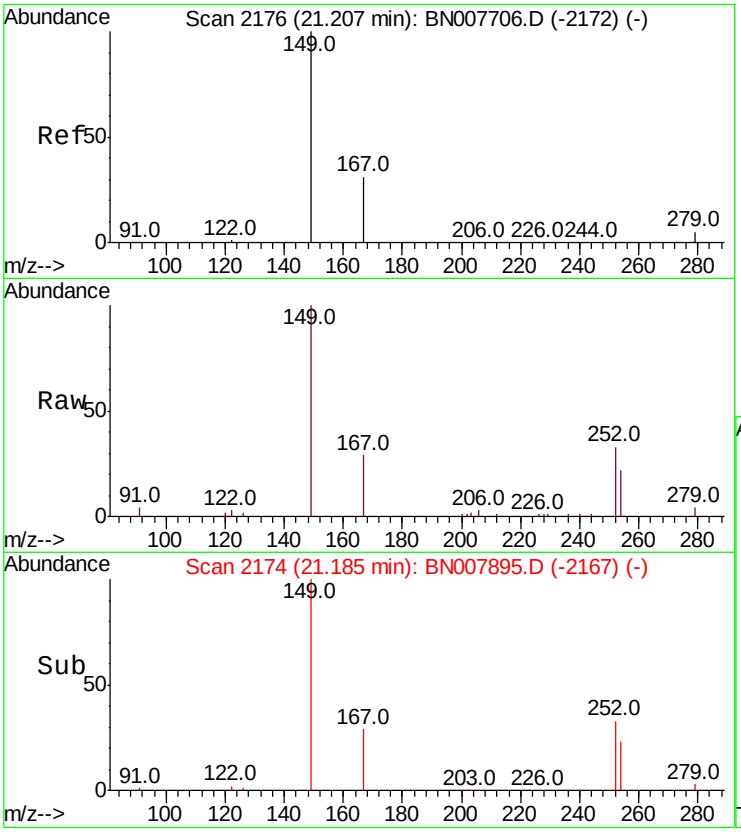


#31
Chrysene
Concen: 0.303 ng
RT: 21.29 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Tgt Ion:228 Resp: 31646

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.9	35.9
229	20.1	15.8	23.6



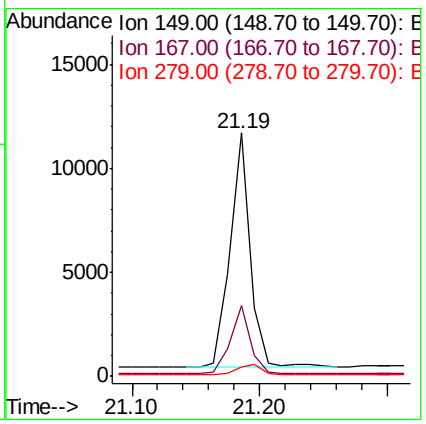


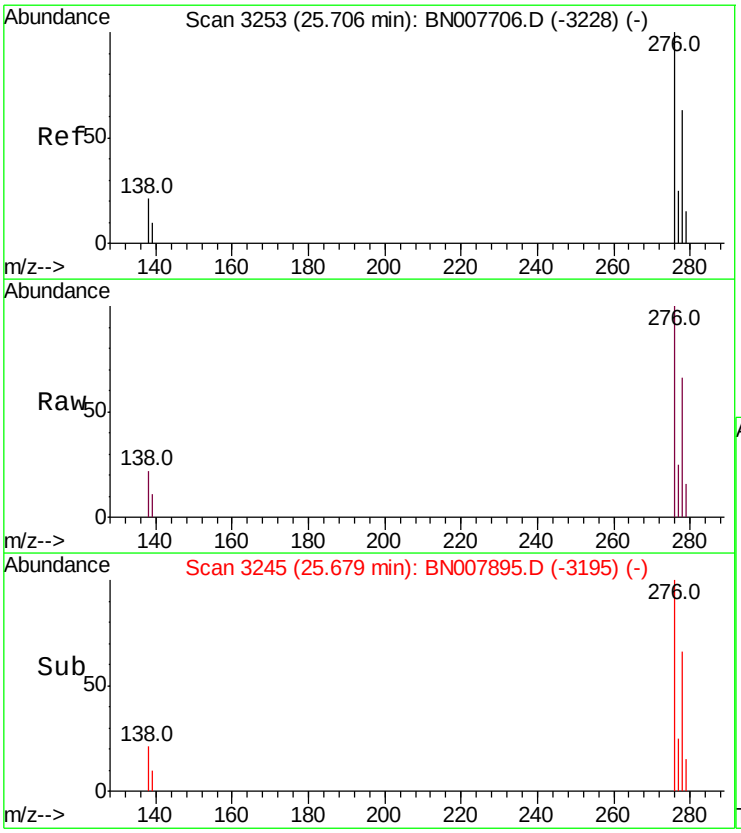
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.225 ng
RT: 21.19 min Scan# 2174
Delta R.T. -0.02 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Instrument :
BNA_N
ClientSampleId :
PB123466BS

Tgt Ion:149 Resp: 12409

Ion	Ratio	Lower	Upper
149	100		
167	28.6	23.7	35.5
279	4.9	4.2	6.2

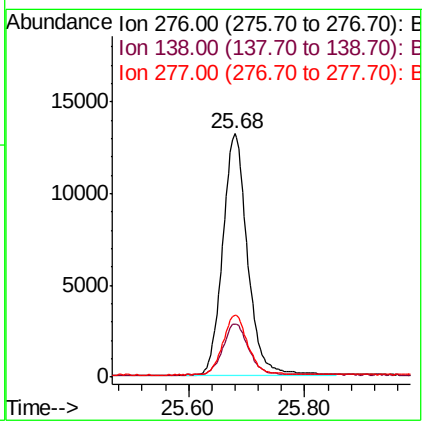


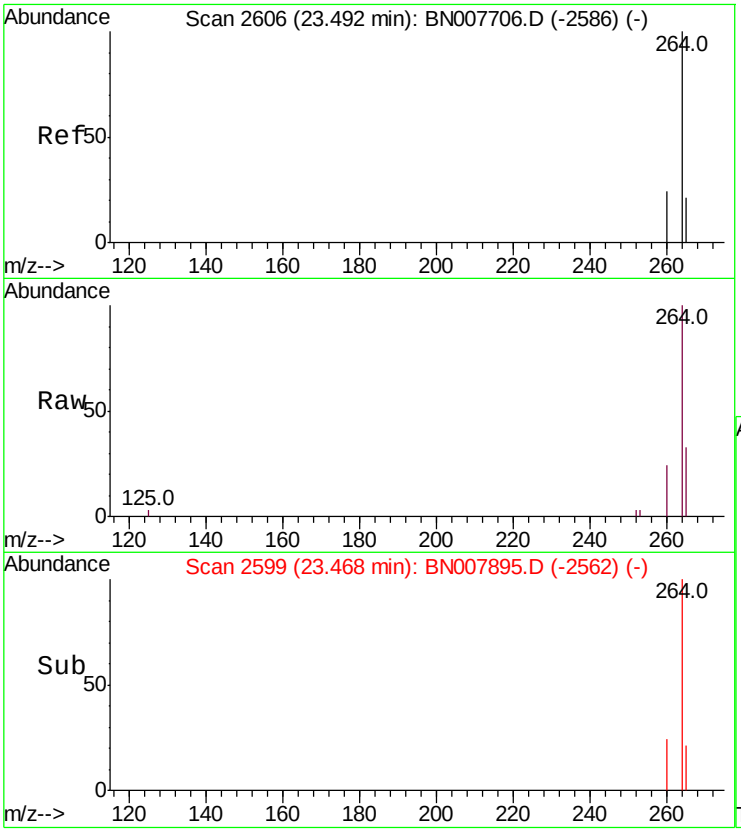


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.299 ng
RT: 25.68 min Scan# 3245
Delta R.T. -0.03 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Tgt Ion:276 Resp: 39143

Ion	Ratio	Lower	Upper
276	100		
138	21.6	17.1	25.7
277	24.7	20.0	30.0



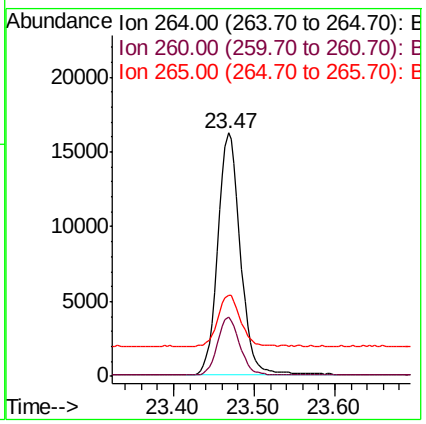


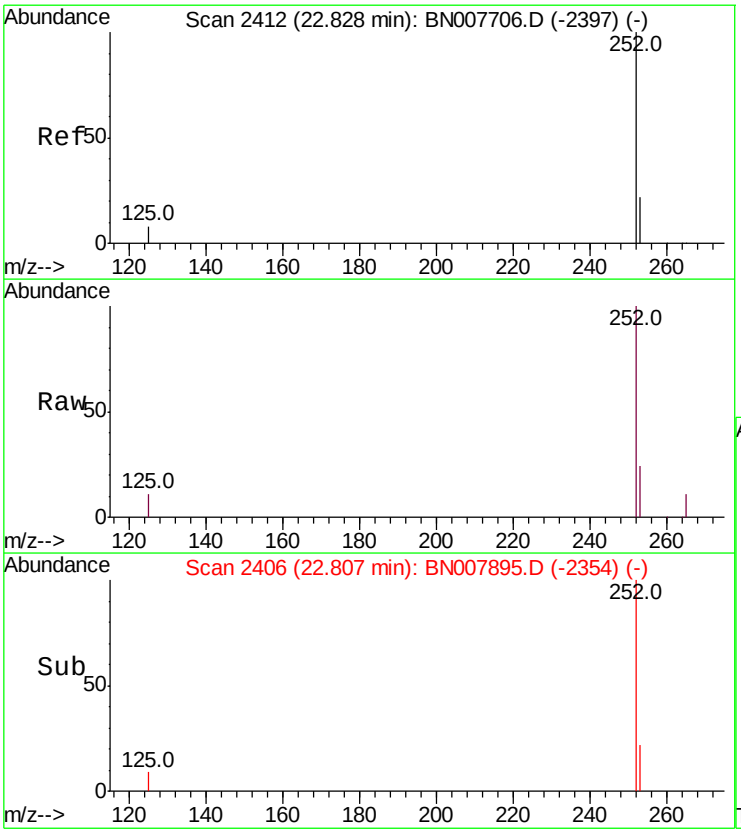
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.47 min Scan# 2599
Delta R.T. -0.02 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Instrument :
BNA_N
ClientSampleId :
PB123466BS

Tgt Ion:264 Resp: 31408

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.3	28.9
265	33.5	26.9	40.3

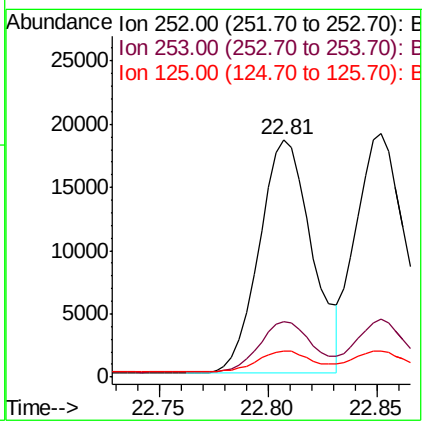


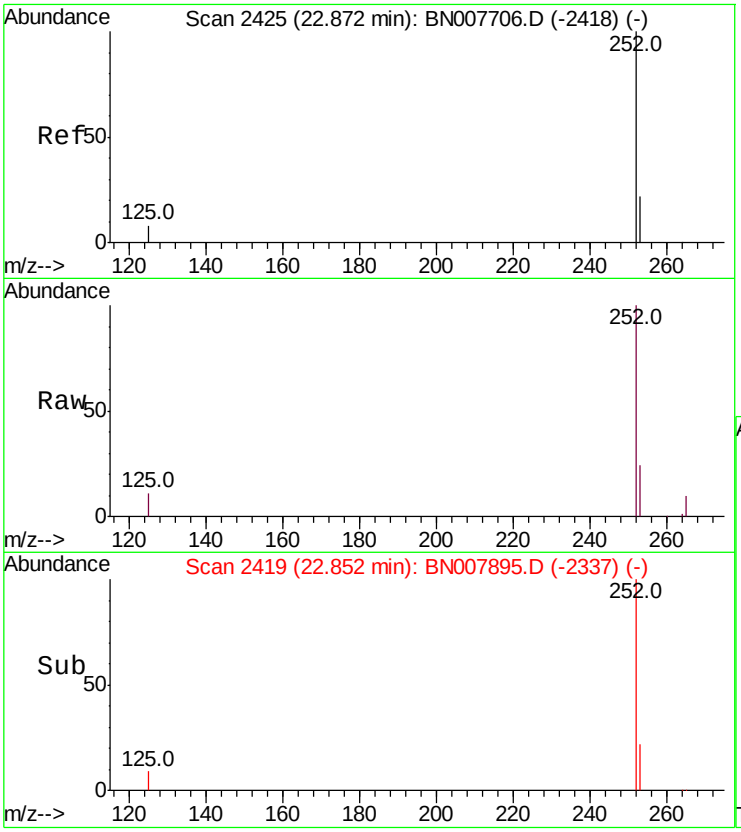


#35
Benzo(b)fluoranthene
Concen: 0.285 ng
RT: 22.81 min Scan# 2406
Delta R.T. -0.02 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Tgt Ion:252 Resp: 31106

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.3	27.5
125	10.9	8.2	12.4



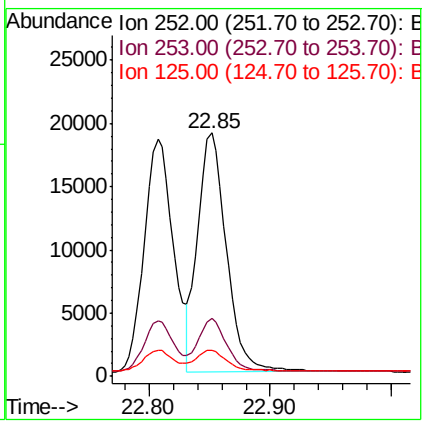


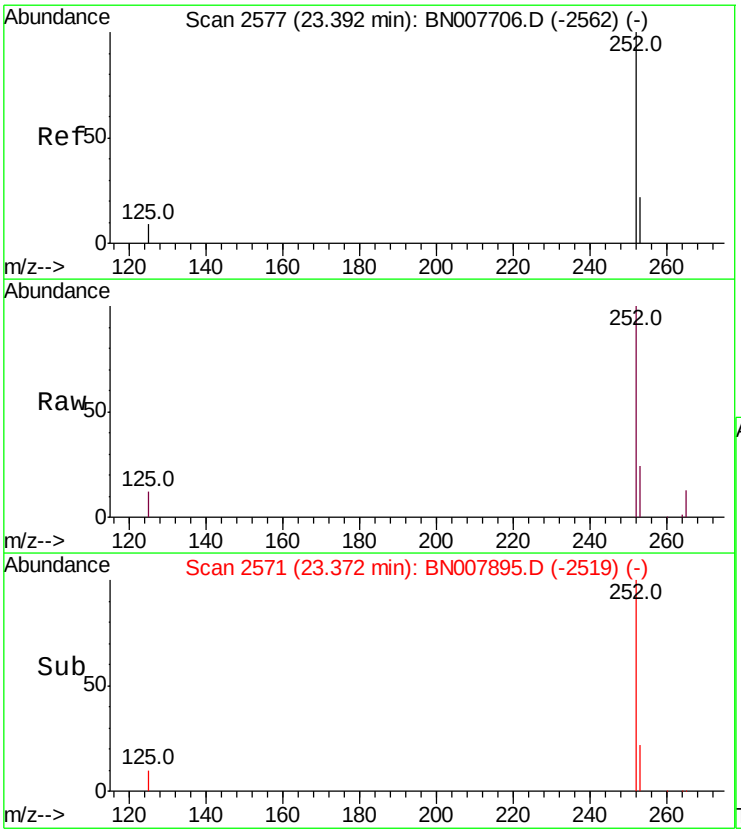
#36
Benzo(k)fluoranthene
Concen: 0.288 ng
RT: 22.85 min Scan# 2419
Delta R.T. -0.02 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Instrument :
BNA_N
ClientSampleId :
PB123466BS

Tgt Ion:252 Resp: 31093

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.5	27.7
125	10.8	8.4	12.6

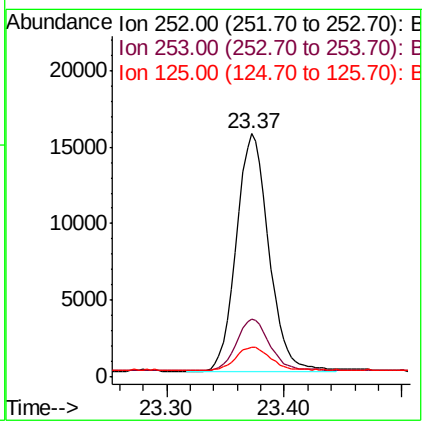


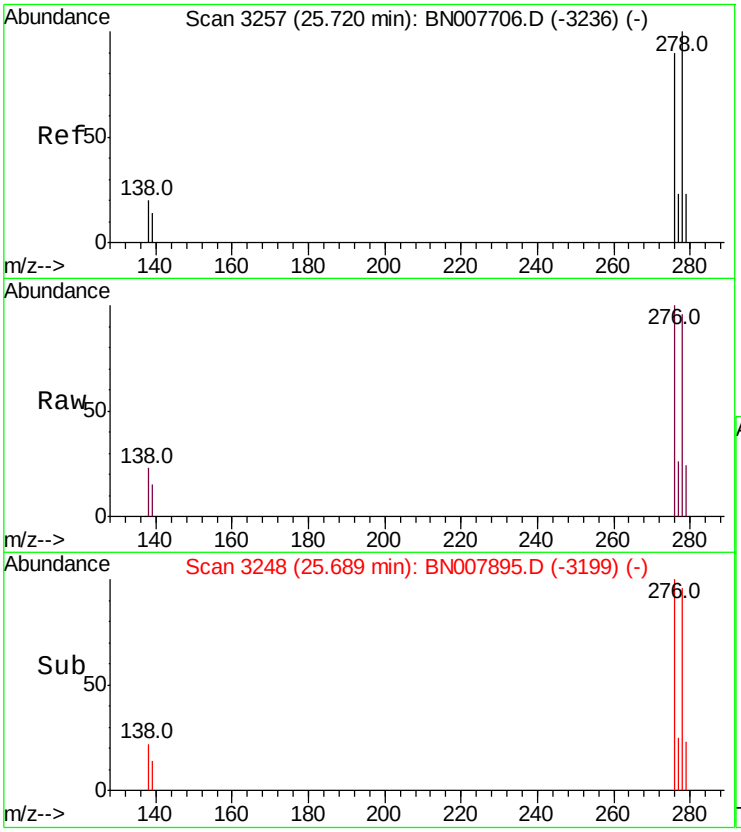


#37
Benzo(a)pyrene
Concen: 0.293 ng
RT: 23.37 min Scan# 2571
Delta R.T. -0.02 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Tgt Ion:252 Resp: 29995

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.6	27.8
125	12.4	9.4	14.0



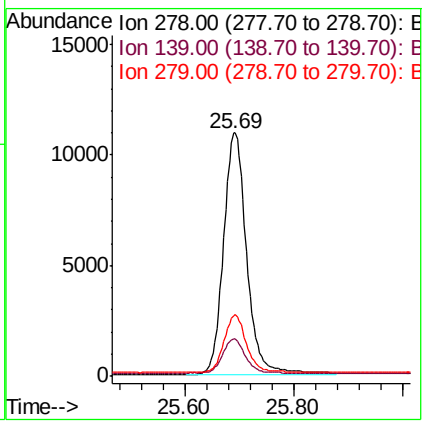


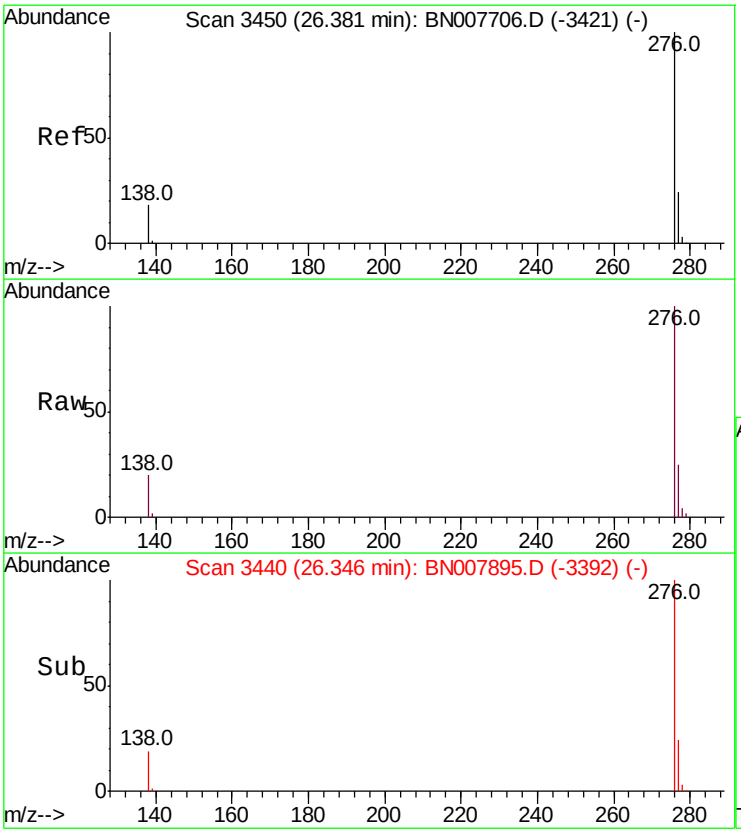
#38
Dibenzo(a,h)anthracene
Concen: 0.306 ng
RT: 25.69 min Scan# 3248
Delta R.T. -0.03 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Instrument :
BNA_N
ClientSampleId :
PB123466BS

Tgt Ion:278 Resp: 32114

Ion	Ratio	Lower	Upper
278	100		
139	15.6	11.8	17.6
279	24.9	19.4	29.2





#39
Benzo(g,h,i)perylene
Concen: 0.326 ng
RT: 26.35 min Scan# 3440
Delta R.T. -0.03 min
Lab File: BN007895.D
Acq: 30 Sep 2019 14:06

Tgt Ion:276 Resp: 33785

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.8	29.8
138	19.9	15.1	22.7