Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081319\
Data File : BN007153.D
Acq On : 14 Aug 2019 05:09
Operator : HP/JU
Sample : K4173-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PST-032-B206-073119

Quant Time: Aug 14 09:20:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	9290	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	36284	0.40	ng		0.00
12) Acenaphthene-d10	14.08	164	20619	0.40	ng		0.00
18) Phenanthrene-d10	16.82	188	47387	0.40	ng		0.00
26) Chrysene-d12	21.05	240	46450	0.40	ng		-0.01
32) Perylene-d12	23.16	264	54368	0.40	ng		-0.01
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	6172	0.28	ng		0.00
4) Phenol-d6	6.62	99	8351	0.30	ng		0.00
7) Nitrobenzene-d5	8.56	82	7021	0.24	ng		0.00
10) 2-Methylnaphthalene-d10	11.79	152	14705	0.22	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	2634	0.24	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	3371	0.11	ng		0.00
24) Fluoranthene-d10	18.87	212	30628	0.18	ng		0.00
28) Terphenyl-d14	19.49	244	22246	0.18	ng		-0.01
Target Compounds							Qvalue
8) Naphthalene	10.24	128	22042	0.217	ng		99
11) 2-Methylnaphthalene	11.87	142	12239	0.170	ng		95
15) Acenaphthylene	13.79	152	173748	1.612	ng		100
16) Acenaphthene	14.13	154	14752	0.214	ng		94
17) Fluorene	15.13	166	29412	0.285	ng	#	77
22) Phenanthrene	16.87	178	488174	3.437	ng		100
23) Anthracene	16.96	178	131449	1.013	ng		97
25) Fluoranthene	18.90	202	1002177	5.517	ng		99
27) Pyrene	19.26	202	1305463	8.014	ng		97
29) Benzo(a)anthracene	21.02	228	635043m	3.738	ng		
30) Chrysene	21.08	228	802906	4.865	ng		97
31) Indeno(1,2,3-cd)pyrene	25.24	276	402328	2.212	ng		99
33) Benzo(b)fluoranthene	22.54	252	798107	4.281	ng		99
34) Benzo(k)fluoranthene	22.57	252	209333m	1.137	ng		
35) Benzo(a)pyrene	23.07	252	607391	3.594	ng		99
36) Dibenzo(a,h)anthracene	25.25	278	115650	0.686	ng	#	84
37) Benzo(g,h,i)perylene	25.87	276	432012	2.490	ng		99

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081319\
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Acq On : 14 Aug 2019 05:09
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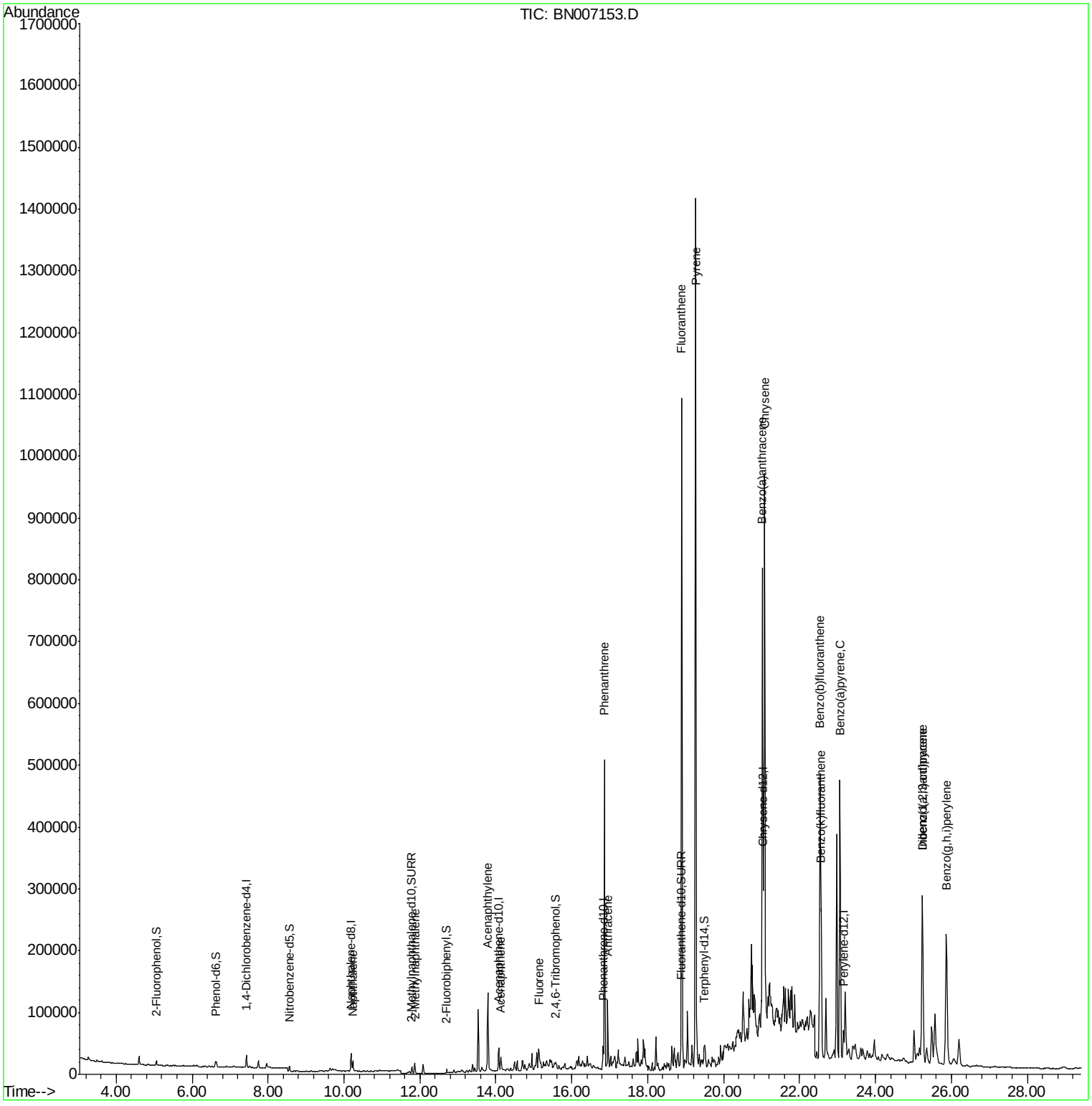
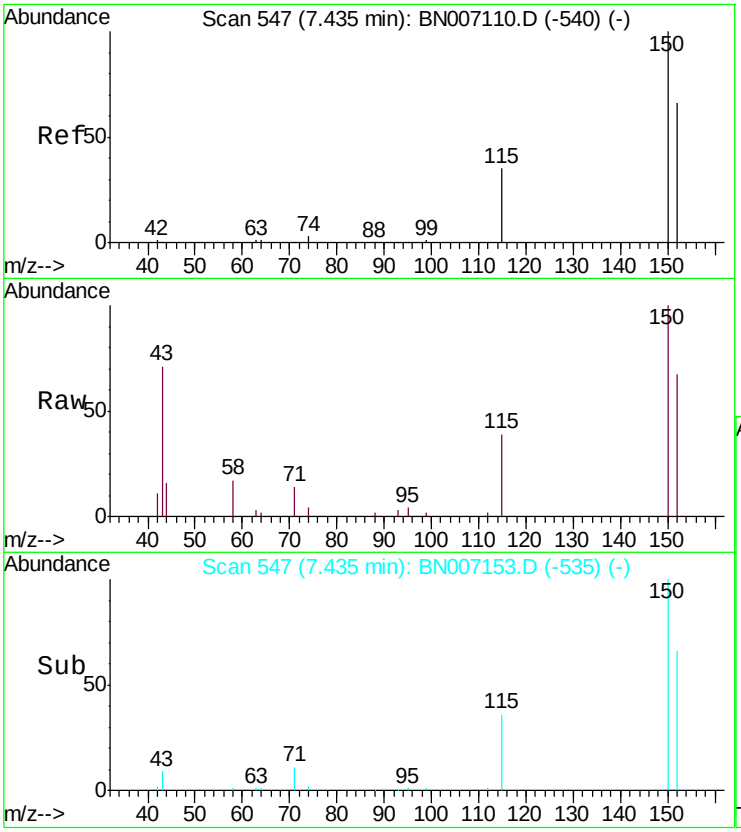
PST-032-B206-073119

Quant Time: Aug 14 09:20:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration



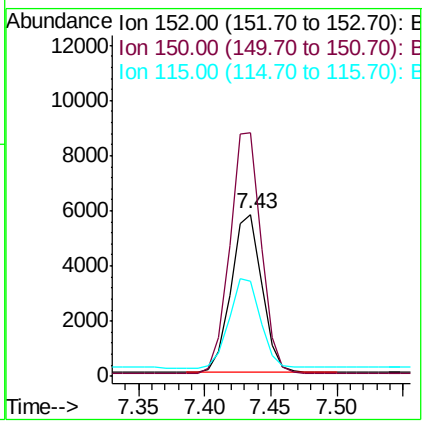


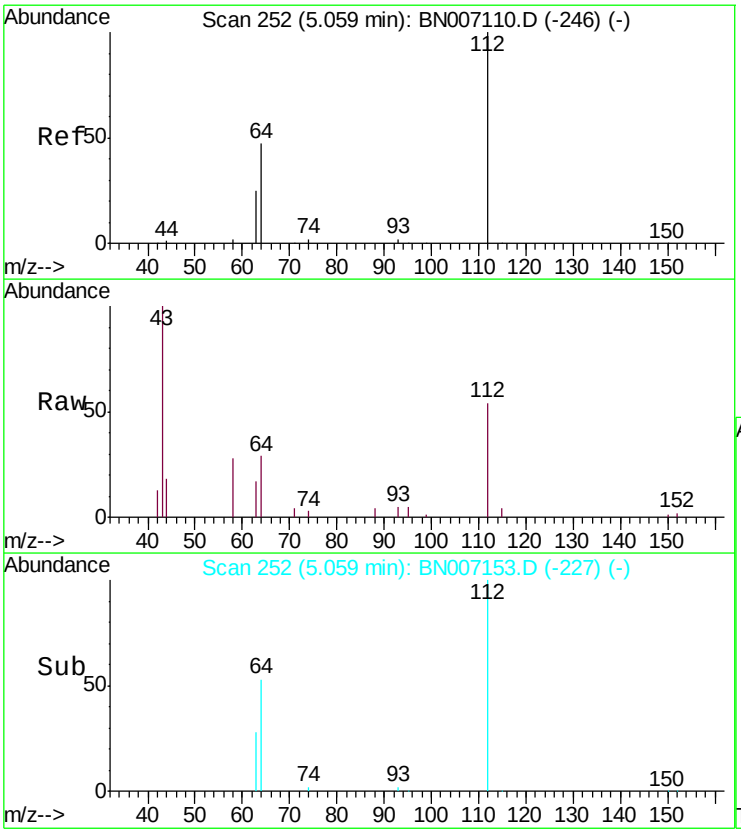
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Instrument :
BNA_N
ClientSampleId :
PST-032-B206-073119

Tgt Ion:152 Resp: 9290

Ion	Ratio	Lower	Upper
152	100		
150	150.2	121.7	182.5
115	58.6	46.2	69.4

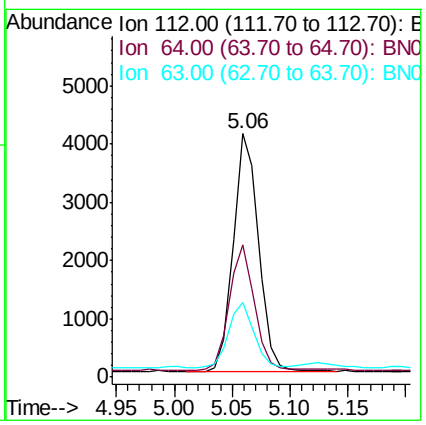


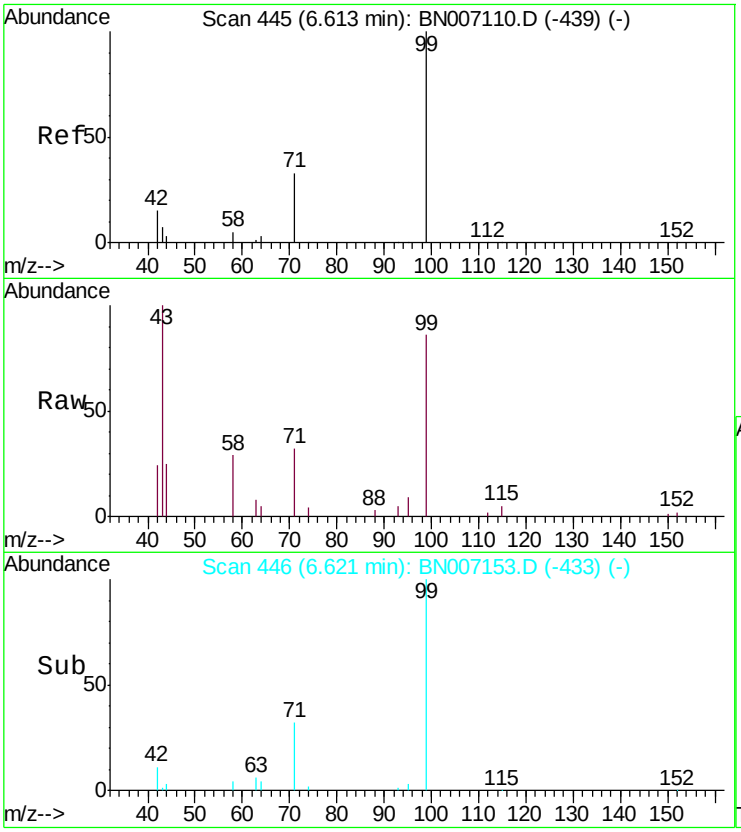


#3
2-Fluorophenol
Concen: 0.276 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Tgt Ion:112 Resp: 6172

Ion	Ratio	Lower	Upper
112	100		
64	53.3	42.6	63.8
63	27.3	22.2	33.2



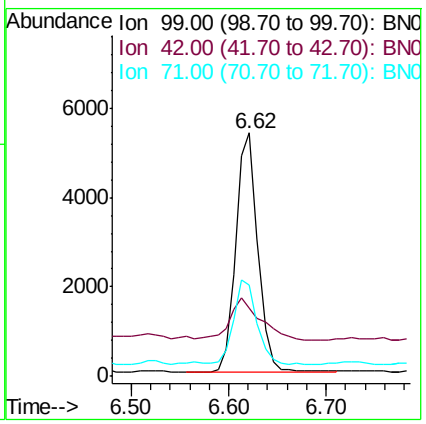


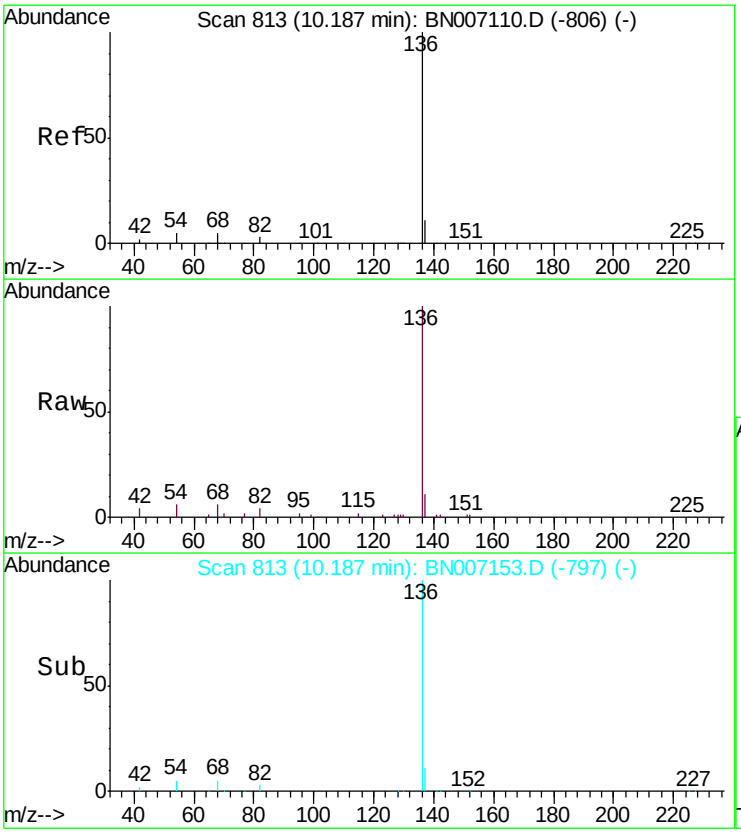
#4
Phenol-d6
Concen: 0.302 ng
RT: 6.62 min Scan# 446
Delta R.T. 0.01 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Instrument :
BNA_N
ClientSampleId :
PST-032-B206-073119

Tgt Ion: 99 Resp: 8351

Ion	Ratio	Lower	Upper
99	100		
42	25.9	15.8	23.6#
71	38.4	27.0	40.4

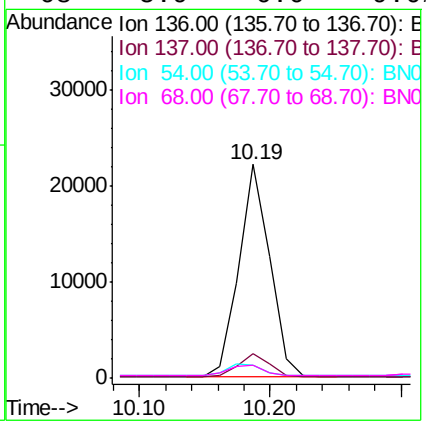


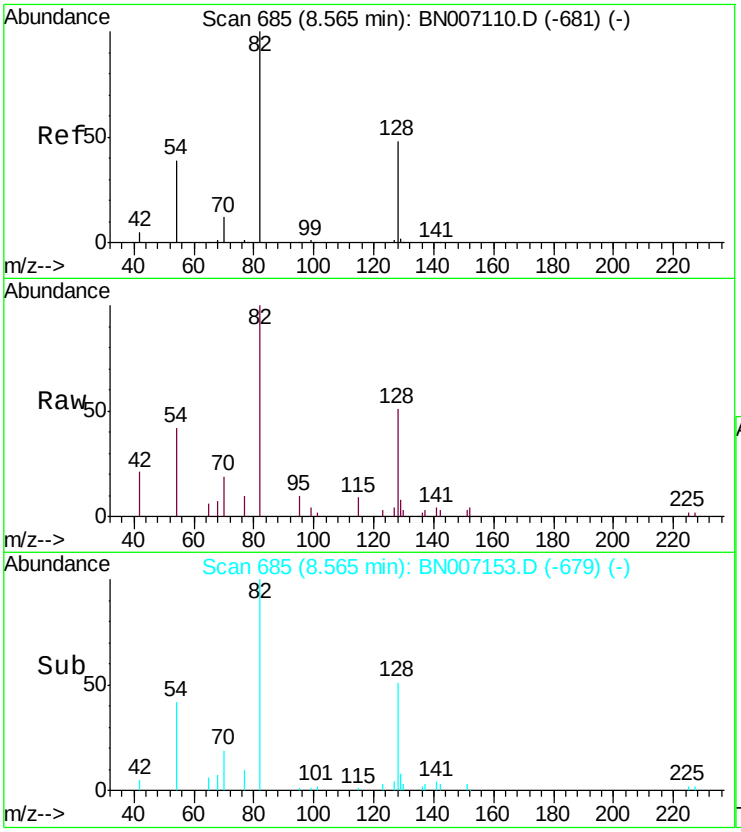


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Tgt Ion:136 Resp: 36284

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.4	14.0
54	6.2	6.6	9.8#
68	5.9	6.0	9.0#



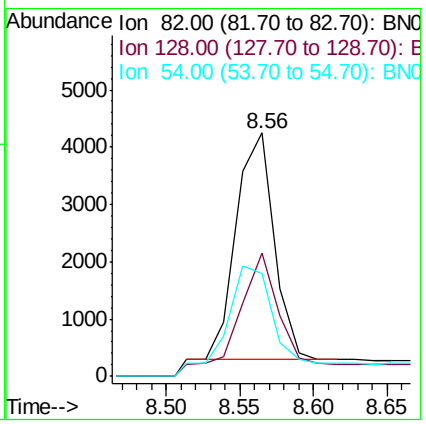


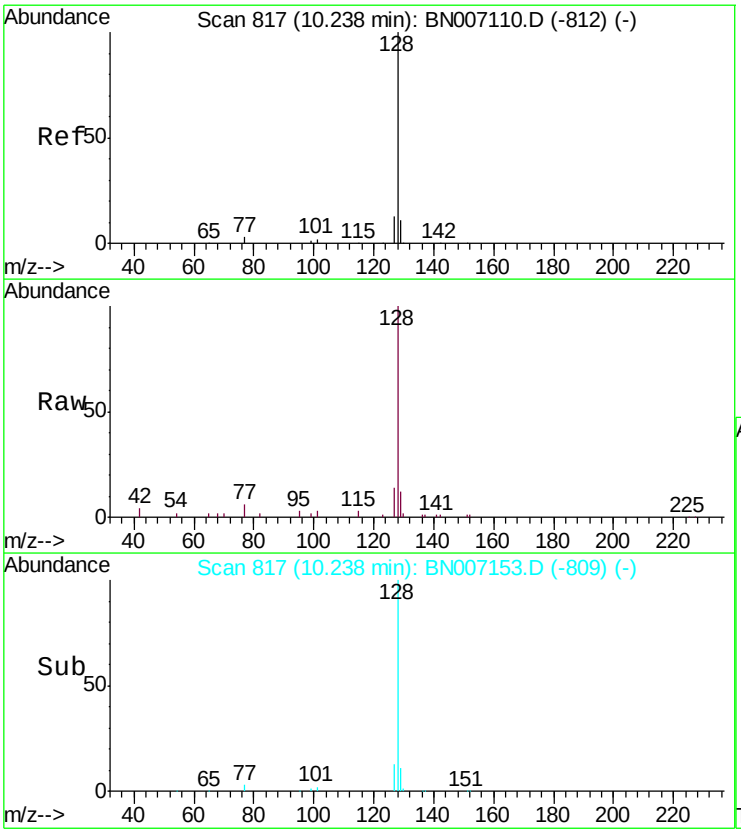
#7
Nitrobenzene-d5
Concen: 0.240 ng
RT: 8.56 min Scan# 685
Delta R.T. -0.00 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Instrument :
BNA_N
ClientSampleId :
PST-032-B206-073119

Tgt Ion: 82 Resp: 7021

Ion	Ratio	Lower	Upper
82	100		
128	50.6	34.6	51.8
54	42.3	36.2	54.4

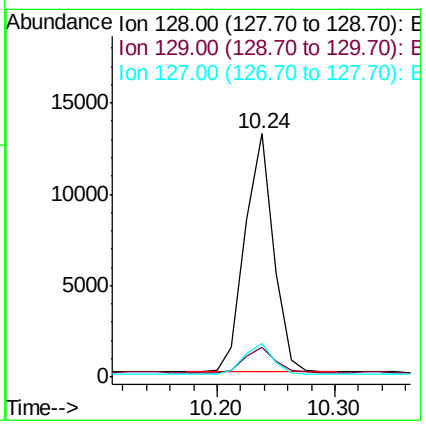


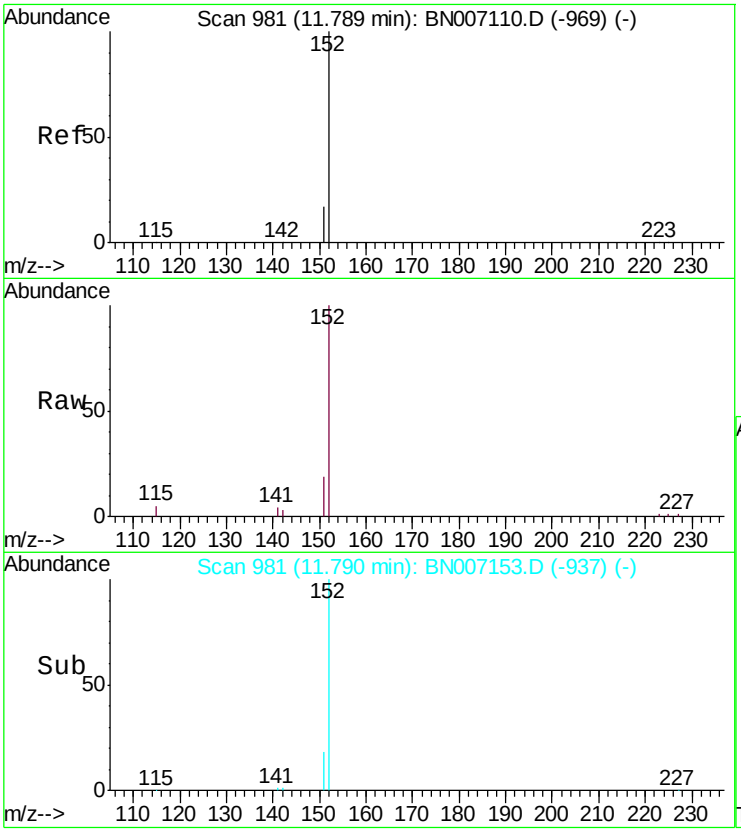


#8
Naphthalene
Concen: 0.217 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Tgt Ion:128 Resp: 22042

Ion	Ratio	Lower	Upper
128	100		
129	12.5	9.4	14.2
127	13.7	11.0	16.6



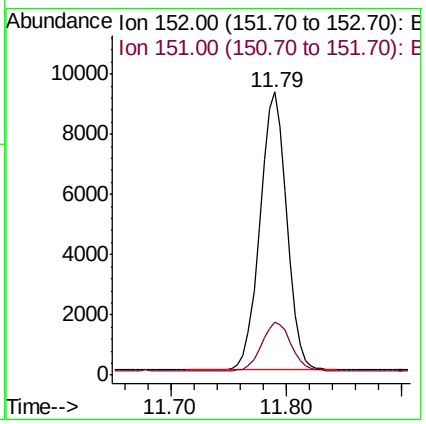


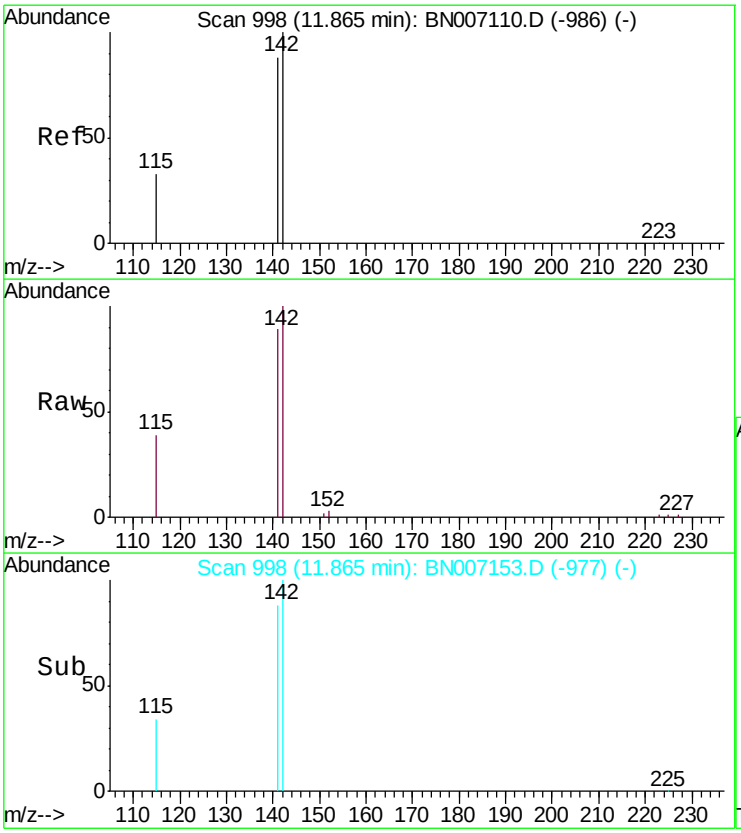
#10
2-Methylnaphthalene-d10
Concen: 0.217 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Instrument :
BNA_N
ClientSampleId :
PST-032-B206-073119

Tgt Ion:152 Resp: 14705

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.5	23.3

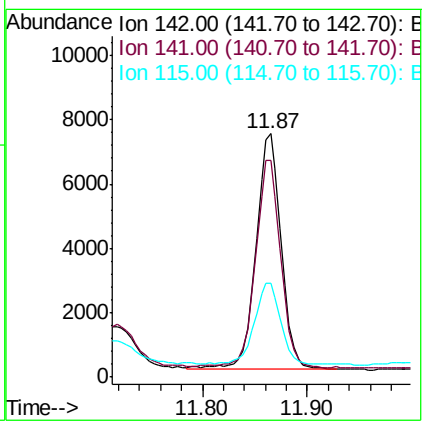


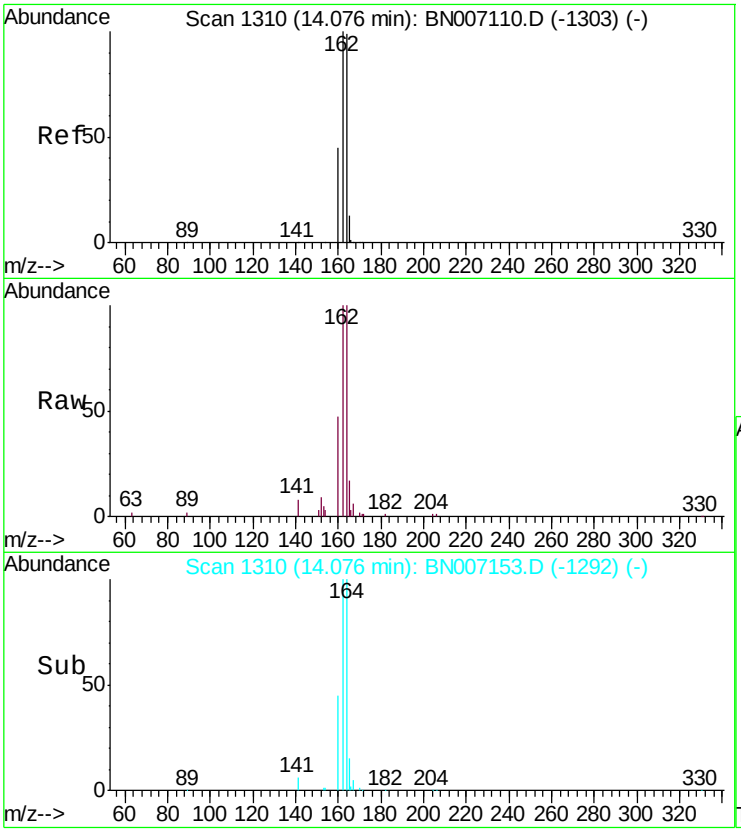


#11
2-Methylnaphthalene
Concen: 0.170 ng
RT: 11.87 min Scan# 998
Delta R.T. -0.00 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Tgt Ion:142 Resp: 12239

Ion	Ratio	Lower	Upper
142	100		
141	89.2	69.0	103.6
115	38.7	27.1	40.7



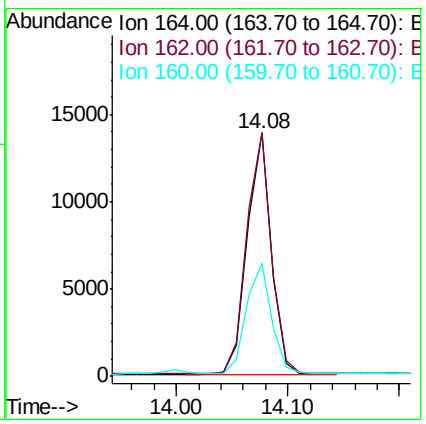


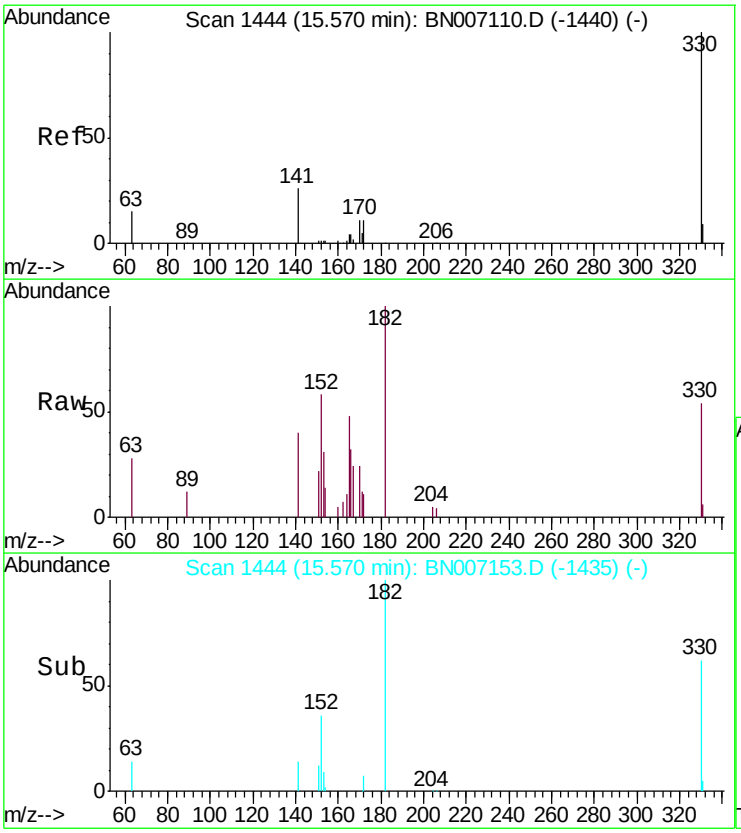
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Instrument :
BNA_N
ClientSampleId :
PST-032-B206-073119

Tgt Ion:164 Resp: 20619

Ion	Ratio	Lower	Upper
164	100		
162	100.1	82.2	123.4
160	46.6	38.3	57.5

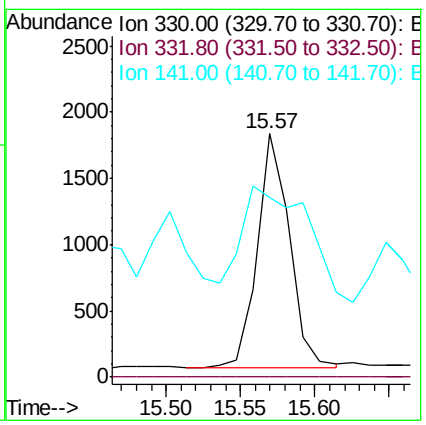


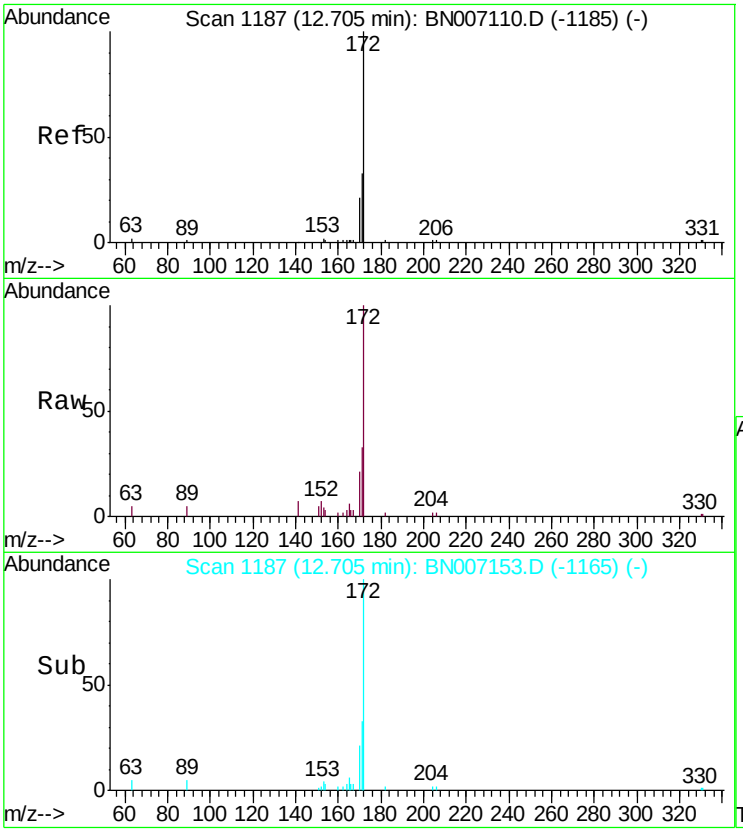


#13
2,4,6-Tribromophenol
Concen: 0.237 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Tgt Ion:330 Resp: 2634

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	102.4	33.6	50.4#



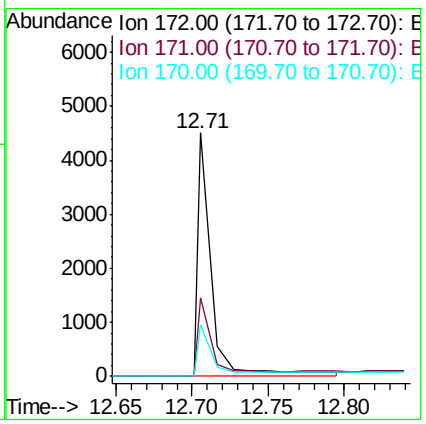


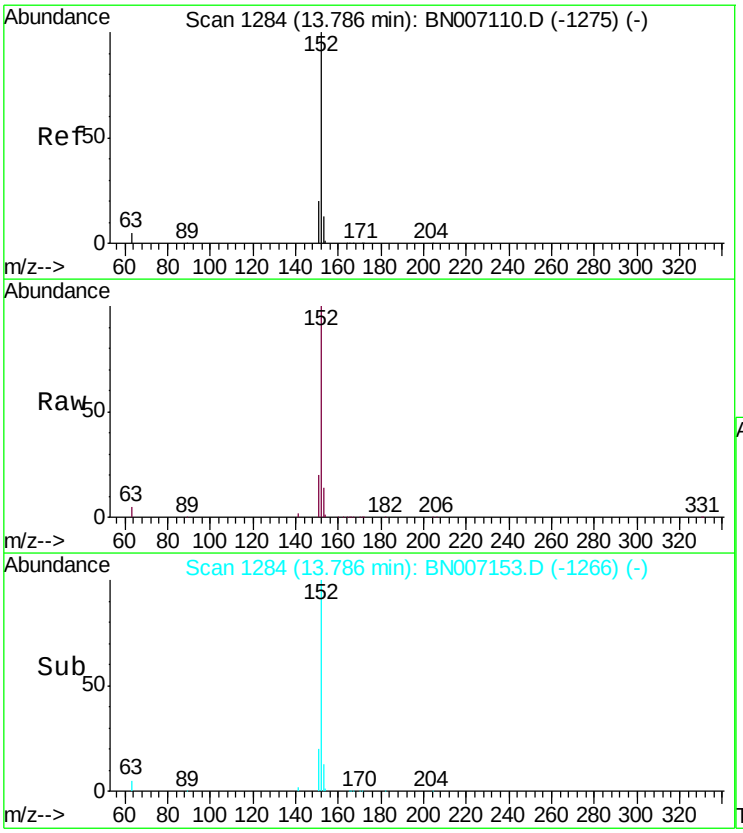
#14
2-Fluorobiphenyl
Concen: 0.112 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Instrument :
BNA_N
ClientSampleId :
PST-032-B206-073119

Tgt Ion:172 Resp: 3371

Ion	Ratio	Lower	Upper
172	100		
171	32.5	26.3	39.5
170	21.1	17.0	25.4

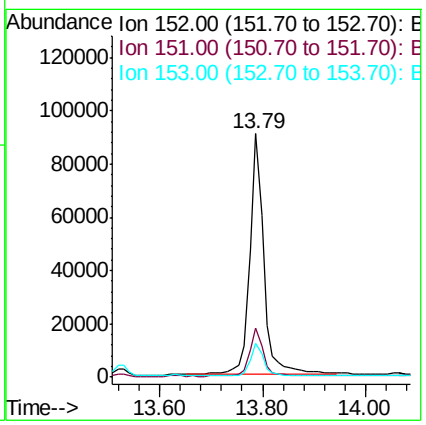


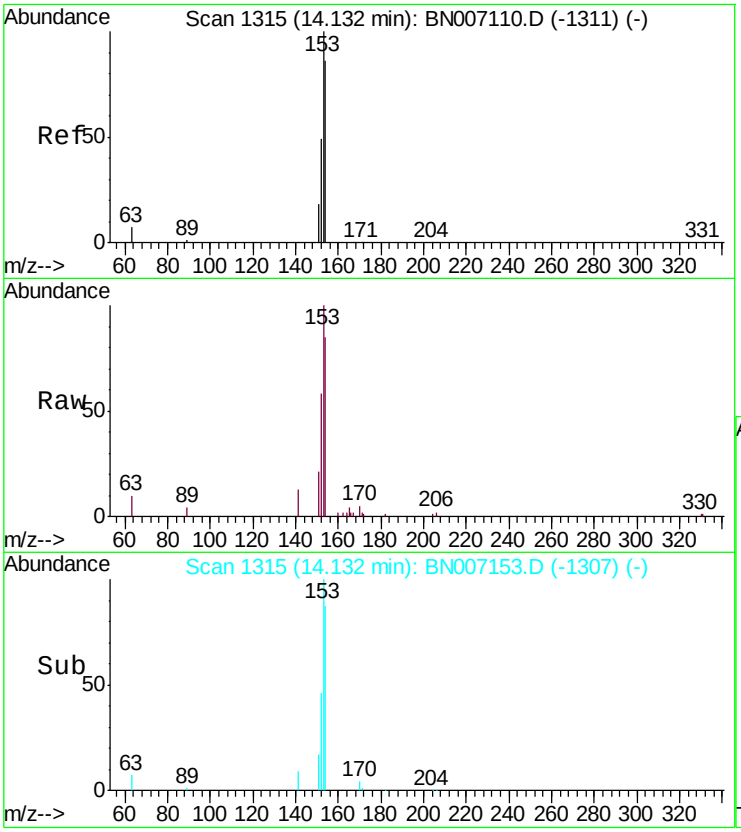


#15
Acenaphthylene
Concen: 1.612 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Tgt Ion:152 Resp: 173748

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	13.1	10.4	15.6



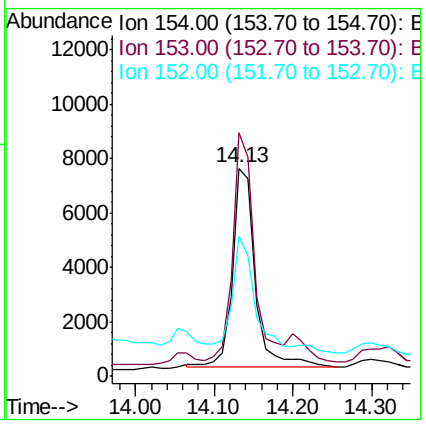


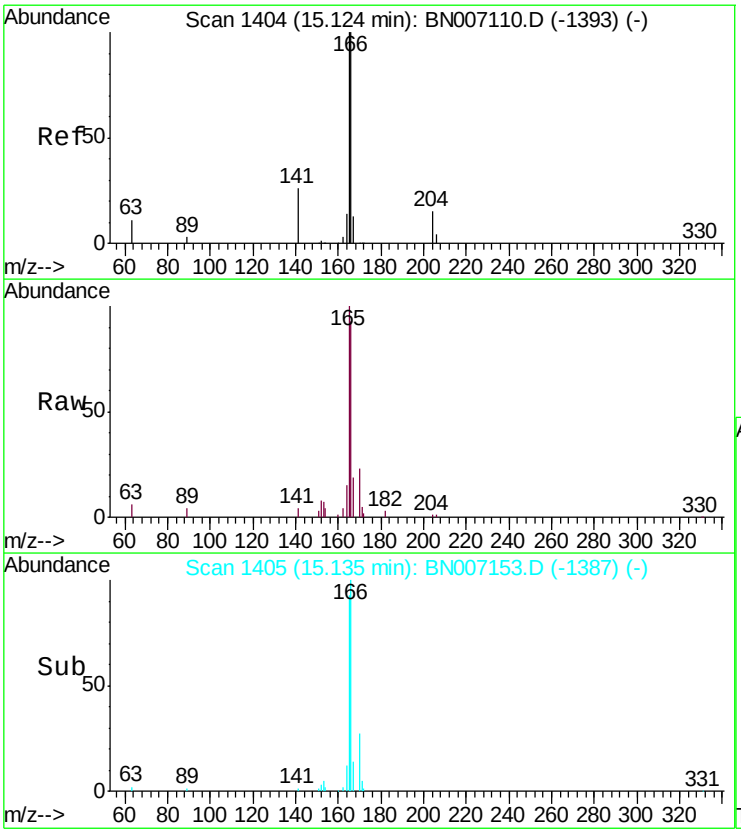
#16
Acenaphthene
Concen: 0.214 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Instrument :
BNA_N
ClientSampleId :
PST-032-B206-073119

Tgt Ion:154 Resp: 14752

Ion	Ratio	Lower	Upper
154	100		
153	106.9	89.5	134.3
152	50.4	44.8	67.2

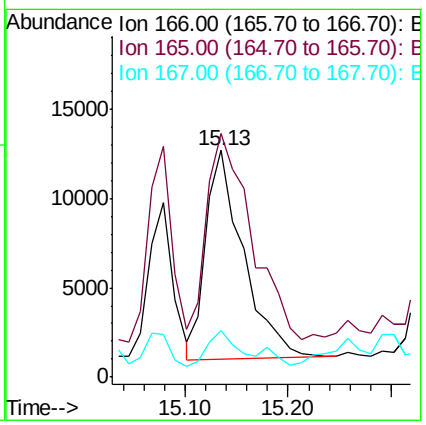


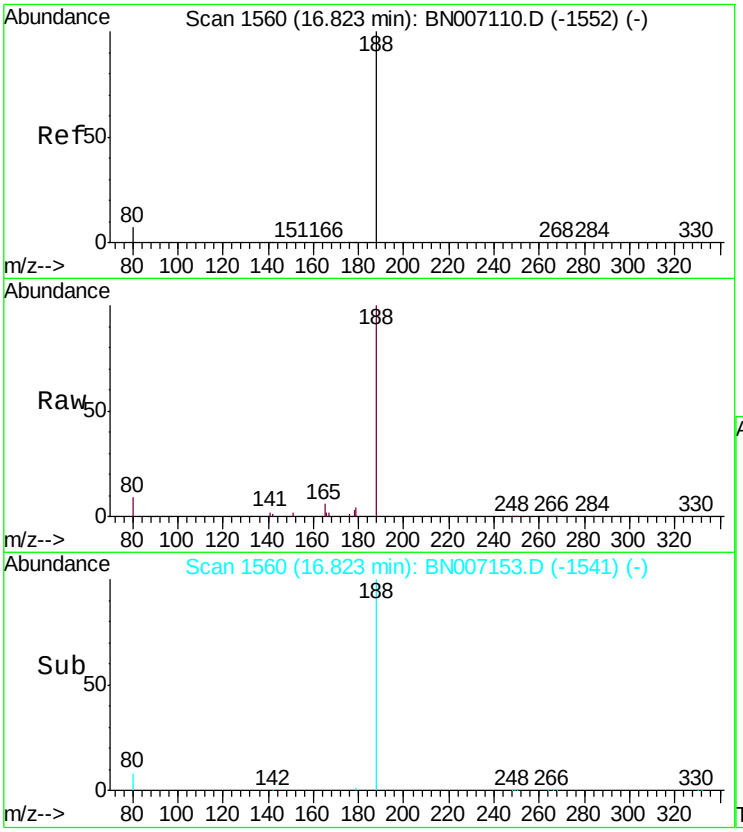


#17
Fluorene
Concen: 0.285 ng
RT: 15.13 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Tgt Ion:166 Resp: 29412

Ion	Ratio	Lower	Upper
166	100		
165	121.6	77.9	116.9#
167	18.4	10.9	16.3#



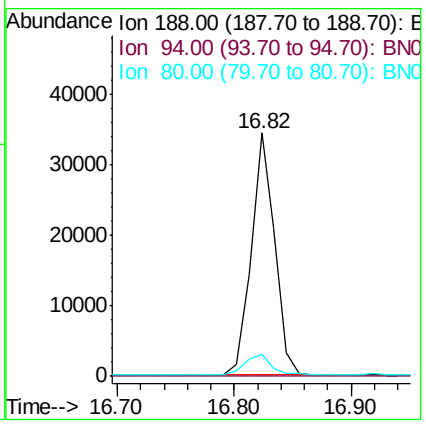


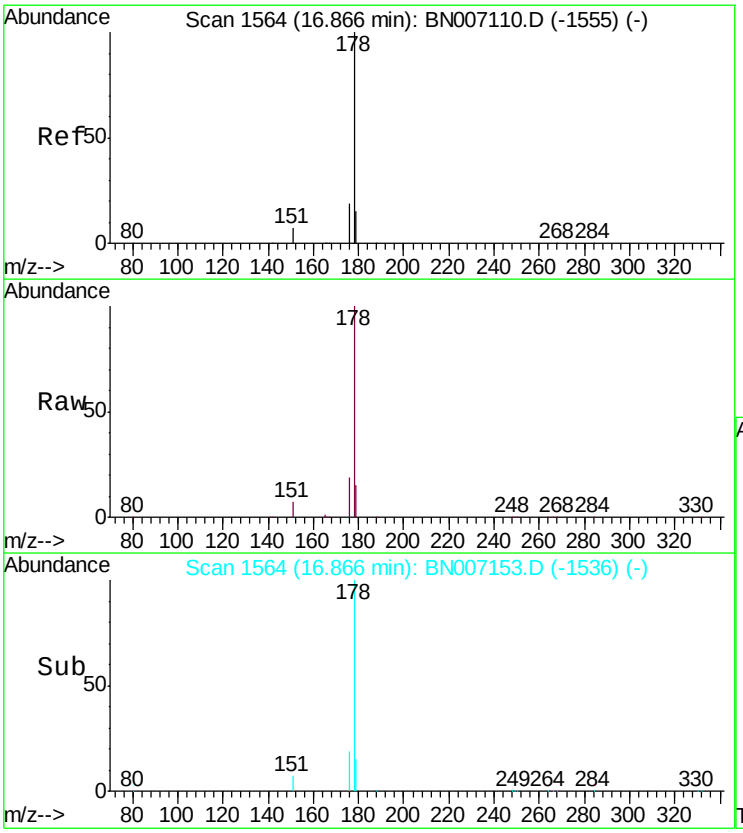
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Instrument :
BNA_N
ClientSampleId :
PST-032-B206-073119

Tgt Ion:188 Resp: 47387

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.9	7.8	11.6

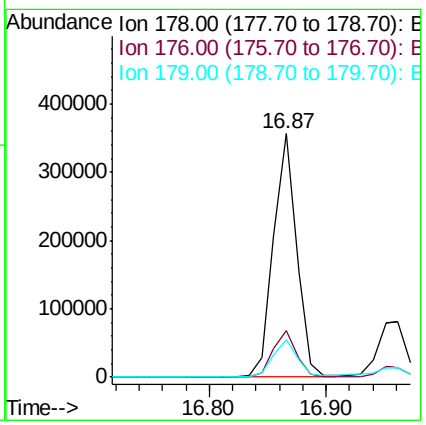


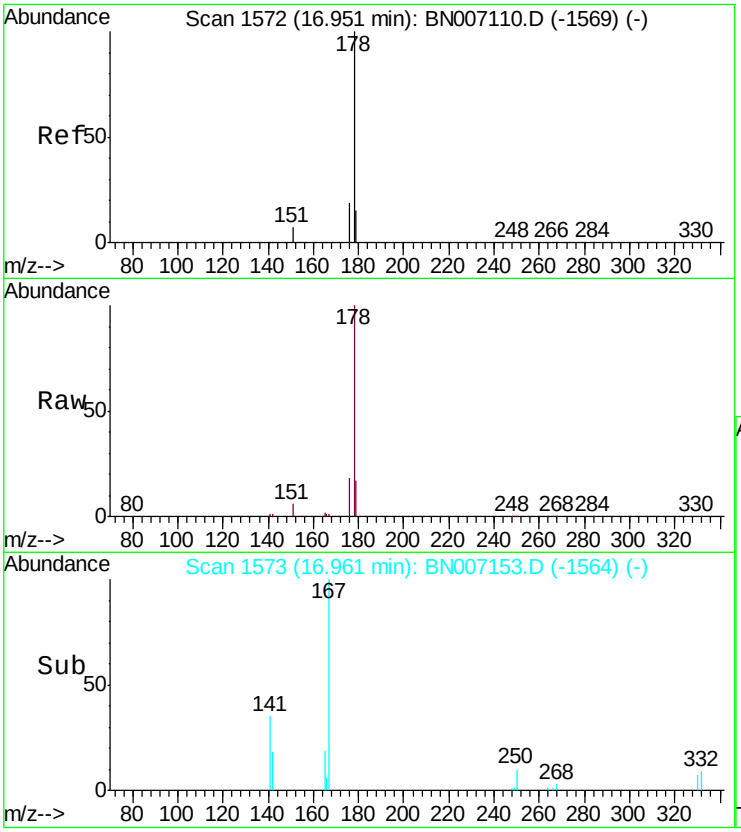


#22
Phenanthrene
Concen: 3.437 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Tgt Ion:178 Resp: 488174

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.7	12.3	18.5



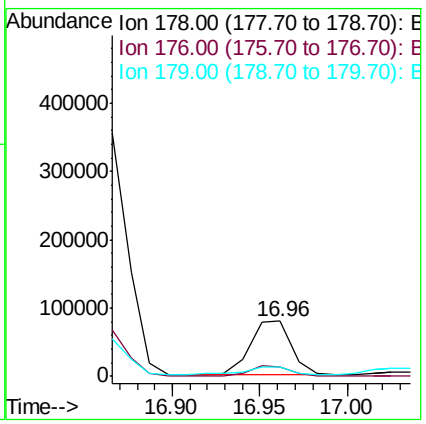


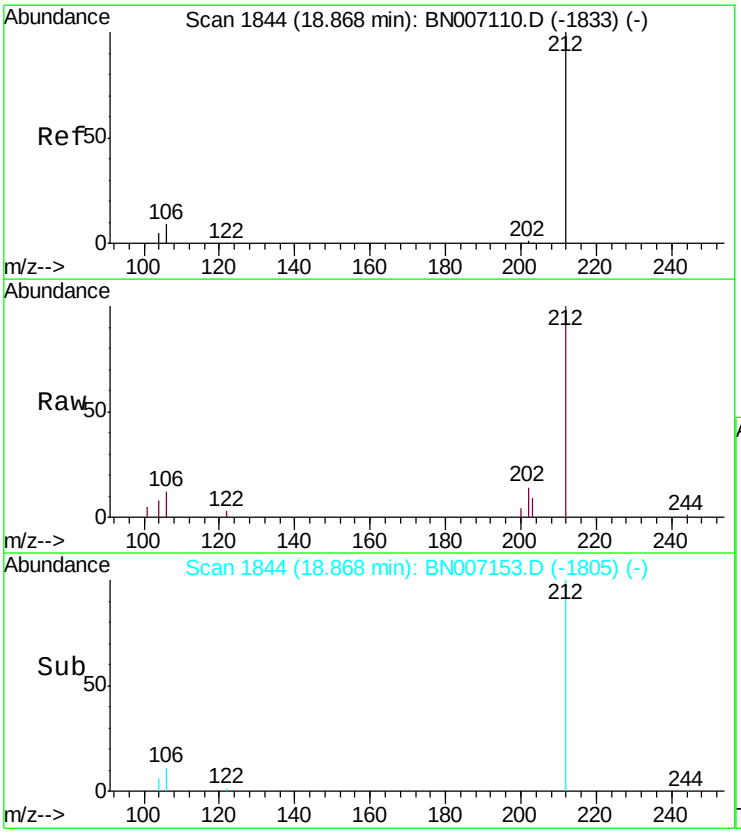
#23
Anthracene
Concen: 1.013 ng
RT: 16.96 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Instrument :
BNA_N
ClientSampleId :
PST-032-B206-073119

Tgt Ion:178 Resp: 131449

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	18.1	12.5	18.7

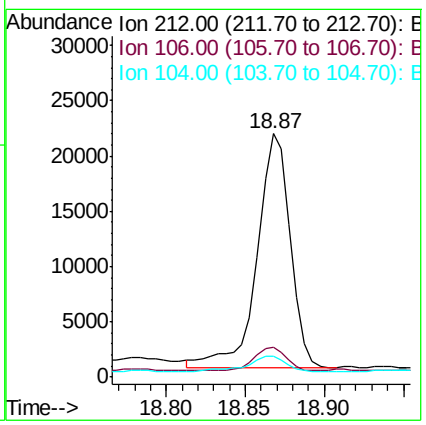


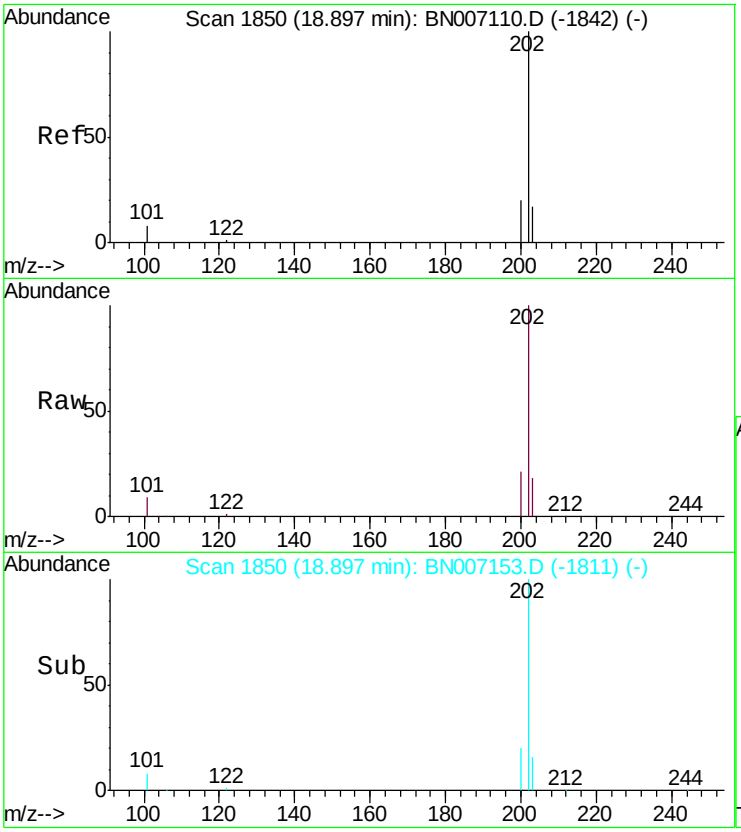


#24
Fluoranthene-d10
Concen: 0.182 ng
RT: 18.87 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Tgt Ion:212 Resp: 30628

Ion	Ratio	Lower	Upper
212	100		
106	10.0	8.2	12.2
104	8.1	4.5	6.7#



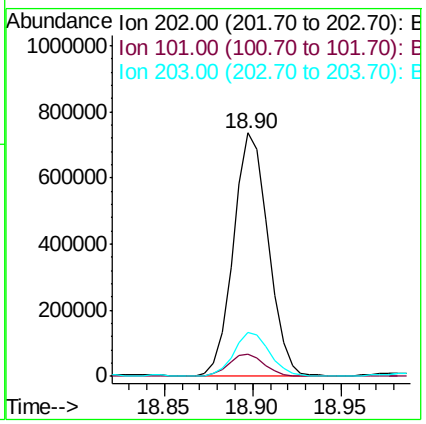


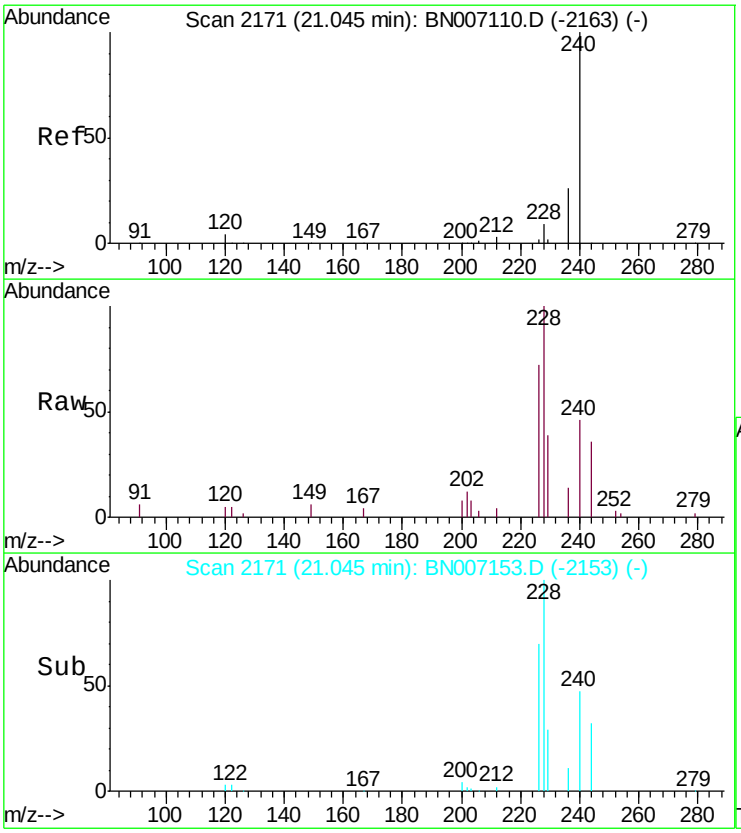
#25
Fluoranthene
Concen: 5.517 ng
RT: 18.90 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Instrument :
BNA_N
ClientSampleId :
PST-032-B206-073119

Tgt Ion:202 Resp: 1002177

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.0	10.4
203	17.9	13.8	20.8

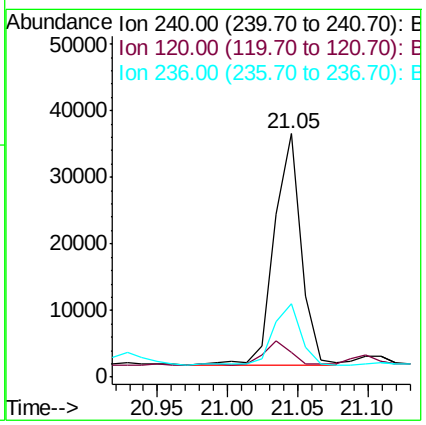


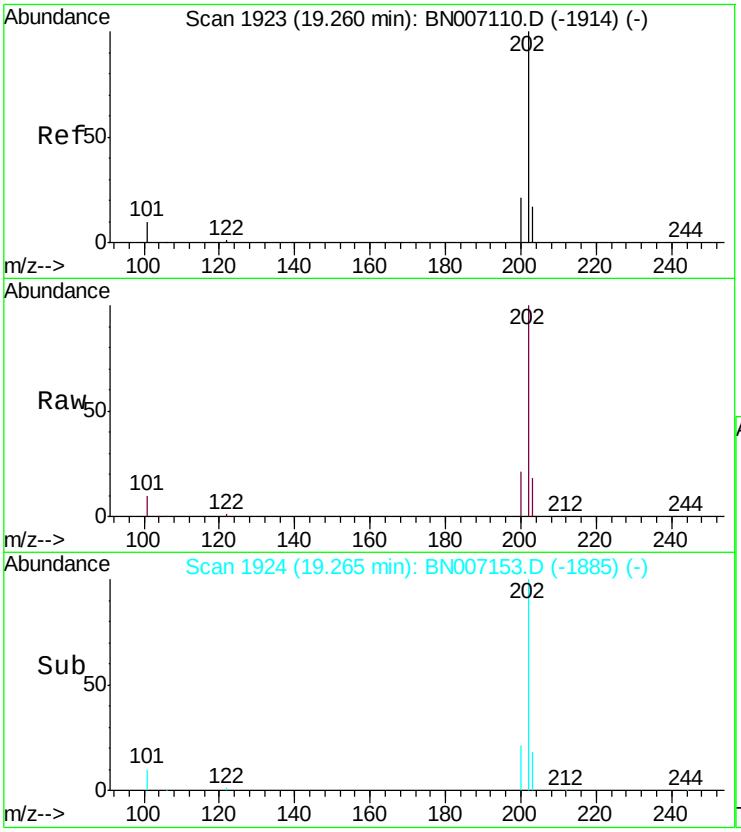


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Tgt Ion:240 Resp: 46450

Ion	Ratio	Lower	Upper
240	100		
120	10.2	4.0	6.0#
236	30.1	21.3	31.9



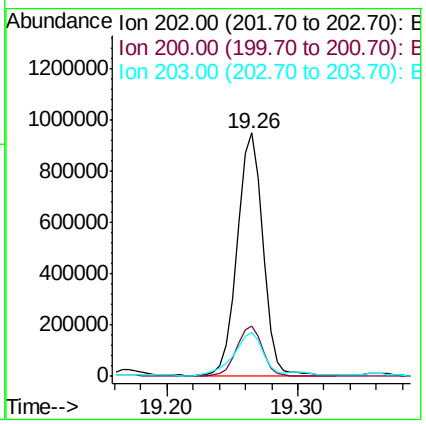


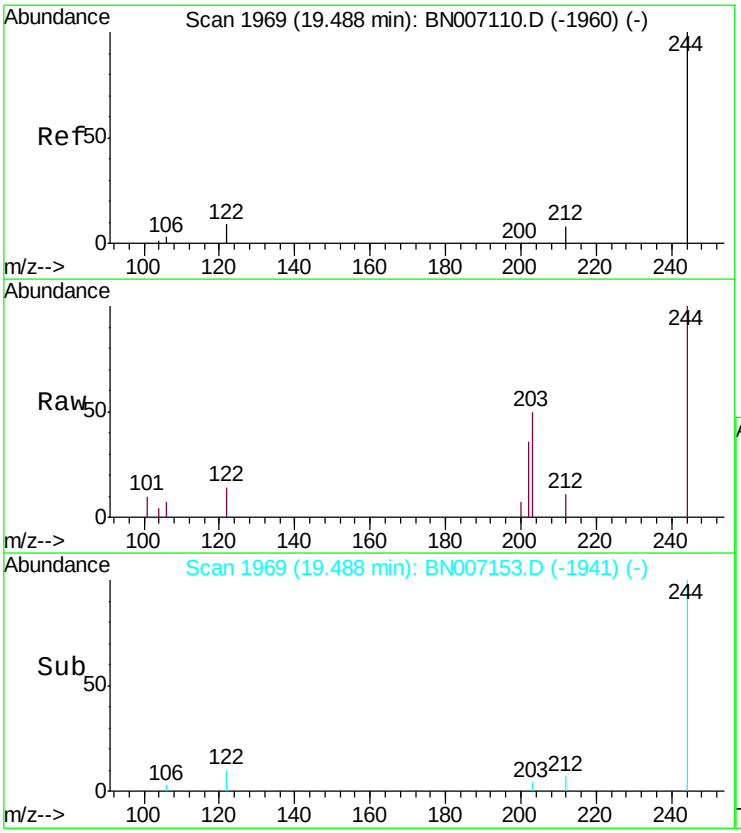
#27
Pyrene
Concen: 8.014 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Instrument :
BNA_N
ClientSampleId :
PST-032-B206-073119

Tgt Ion:202 Resp: 1305463

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	20.3	14.0	21.0

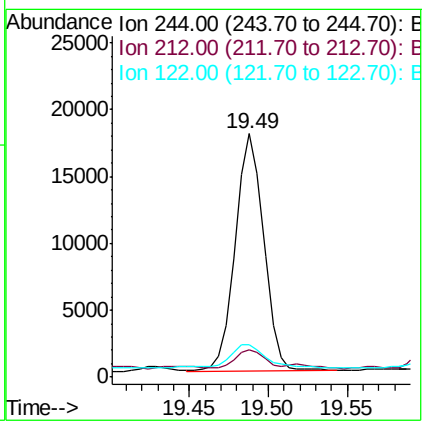


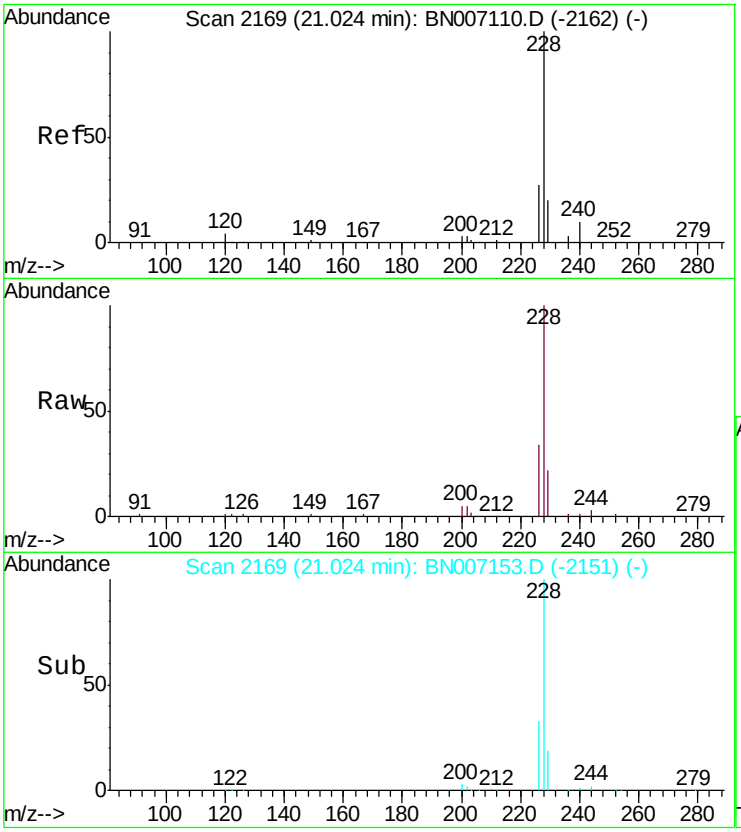


#28
Terphenyl-d14
Concen: 0.176 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Tgt Ion:244 Resp: 22246

Ion	Ratio	Lower	Upper
244	100		
212	11.2	6.2	9.2#
122	13.5	7.4	11.2#



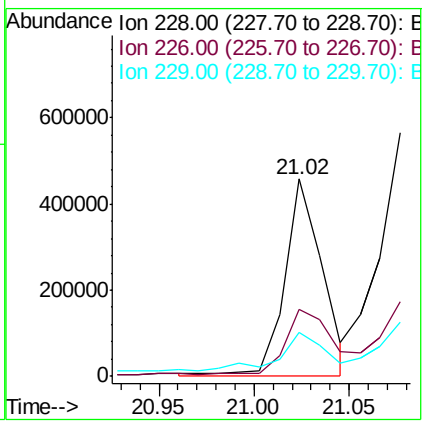


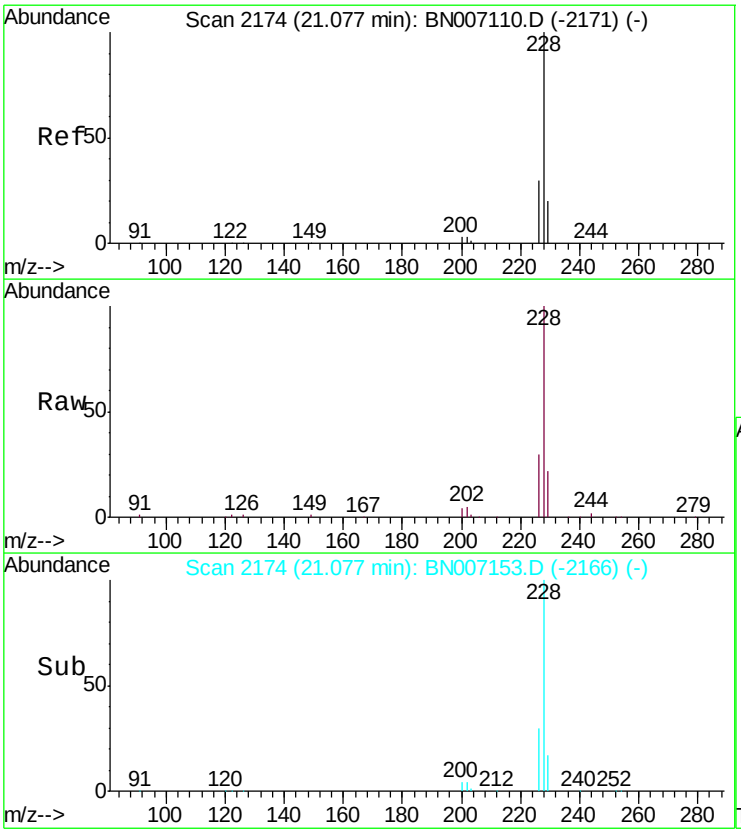
#29
Benzo(a)anthracene
Concen: 3.738 ng m
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Instrument :
BNA_N
ClientSampleId :
PST-032-B206-073119

Tgt Ion:228 Resp: 635043

Ion	Ratio	Lower	Upper
228	100		
226	34.0	21.8	32.6#
229	22.0	15.6	23.4

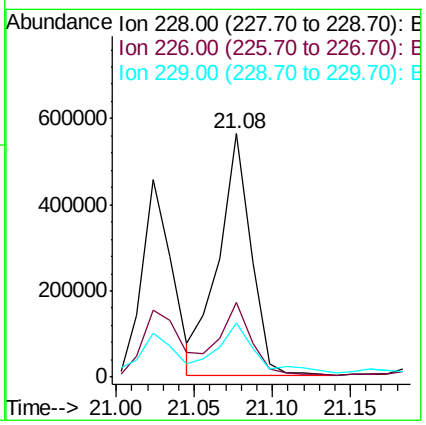


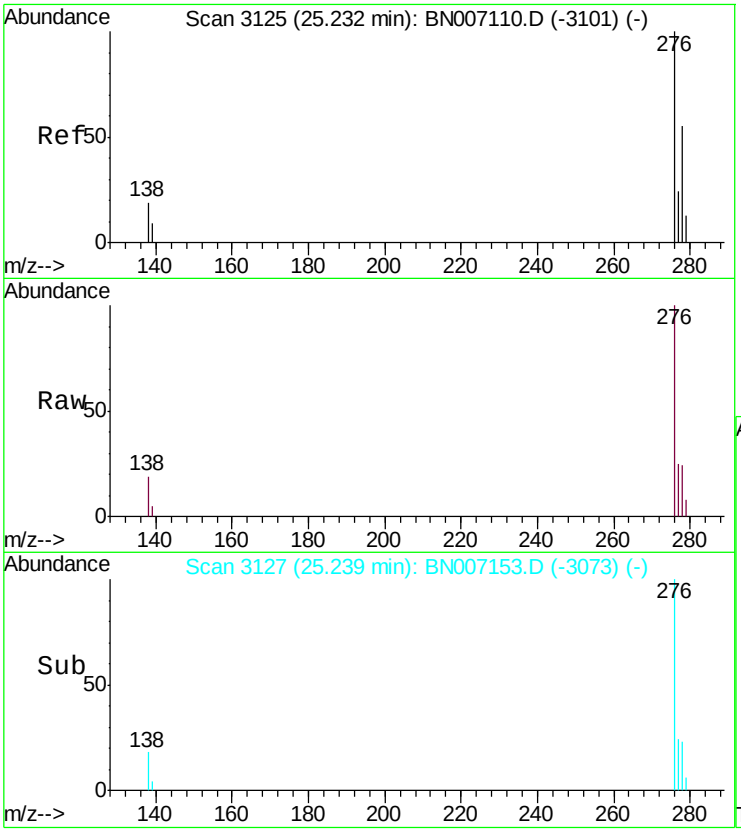


#30
Chrysene
Concen: 4.865 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Tgt Ion:228 Resp: 802906

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.8	35.6
229	22.5	15.7	23.5



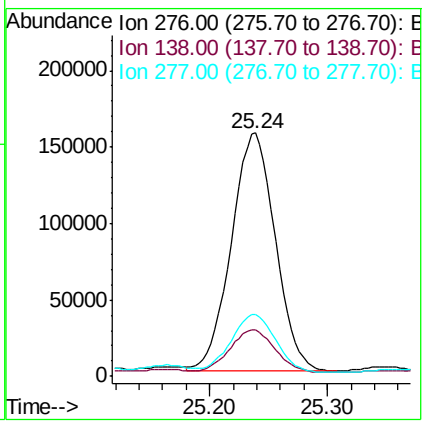


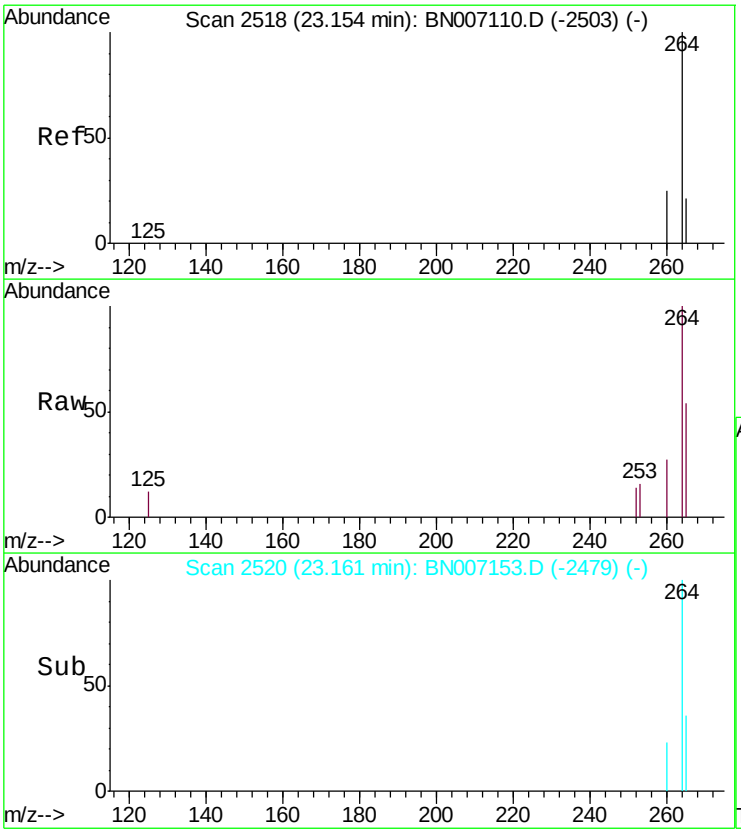
#31
Indeno(1,2,3-cd)pyrene
Concen: 2.212 ng
RT: 25.24 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Instrument :
BNA_N
ClientSampleId :
PST-032-B206-073119

Tgt Ion:276 Resp: 402328

Ion	Ratio	Lower	Upper
276	100		
138	18.6	16.0	24.0
277	25.0	19.9	29.9

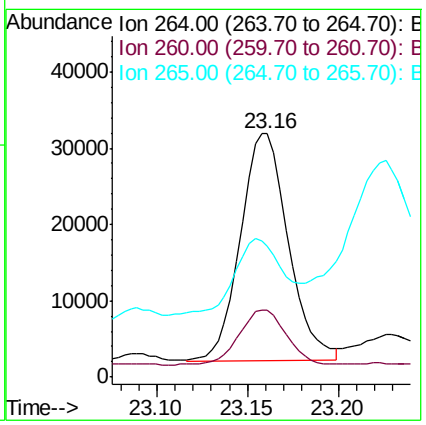


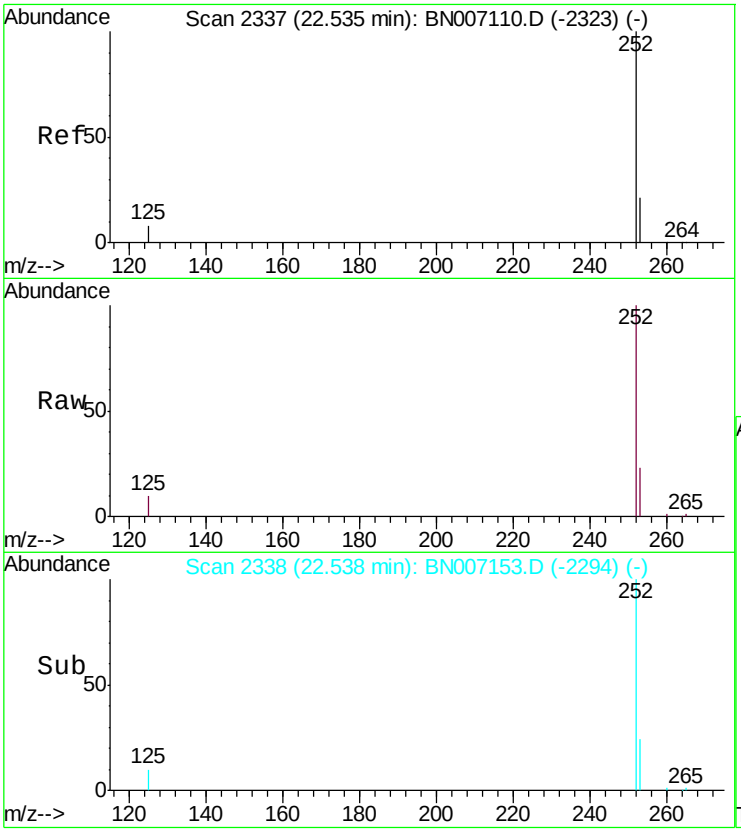


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Tgt Ion:264 Resp: 54368

Ion	Ratio	Lower	Upper
264	100		
260	27.4	19.8	29.8
265	54.0	26.2	39.4#



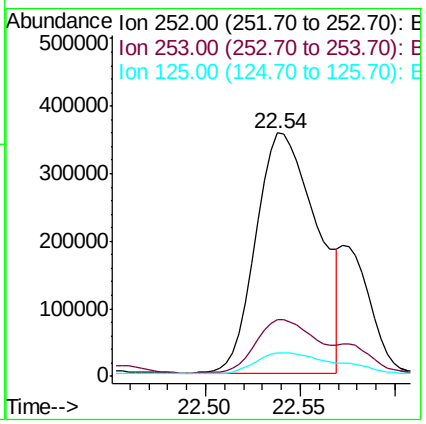


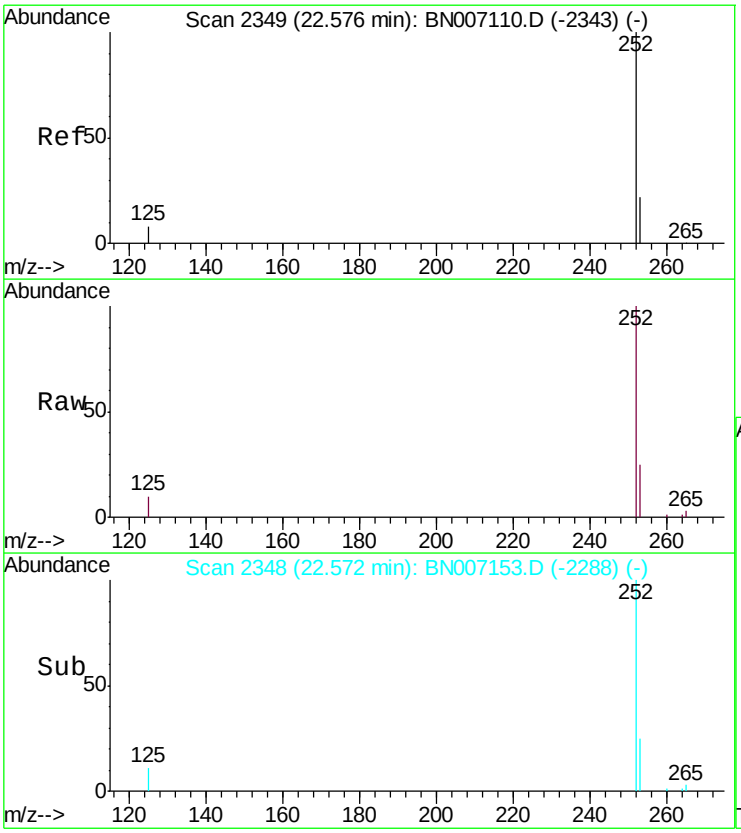
#33
Benzo(b)fluoranthene
Concen: 4.281 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.01 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Instrument :
BNA_N
ClientSampleId :
PST-032-B206-073119

Tgt Ion:252 Resp: 798107

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	9.5	7.4	11.0

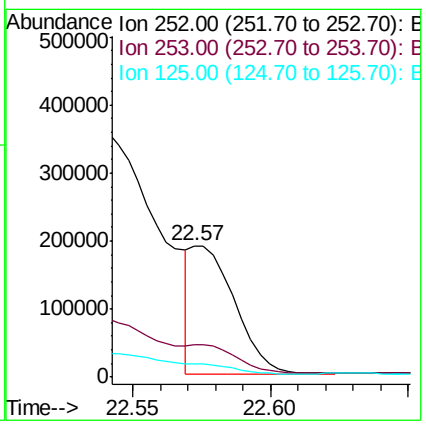


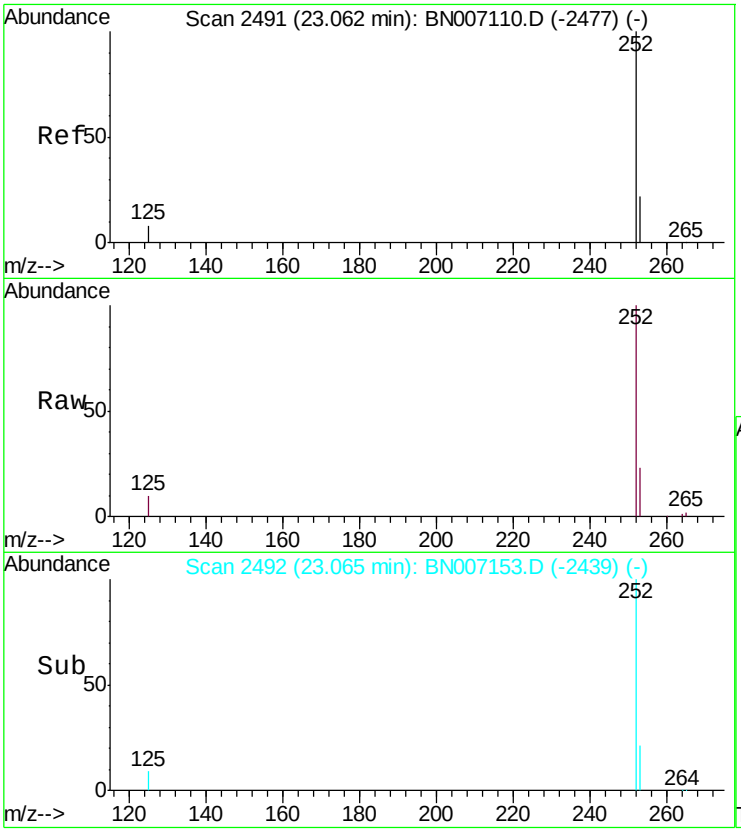


#34
Benzo(k)fluoranthene
Concen: 1.137 ng m
RT: 22.57 min Scan# 2348
Delta R.T. -0.02 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Tgt Ion:252 Resp: 209333

Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.1	27.1
125	10.3	7.4	11.0



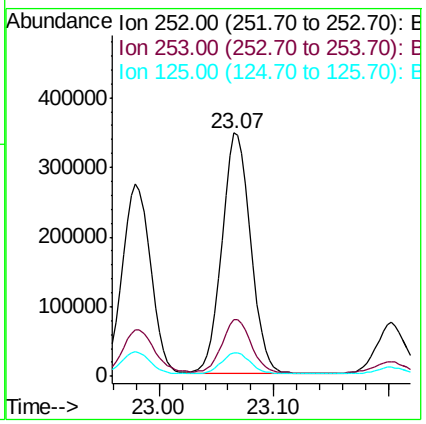


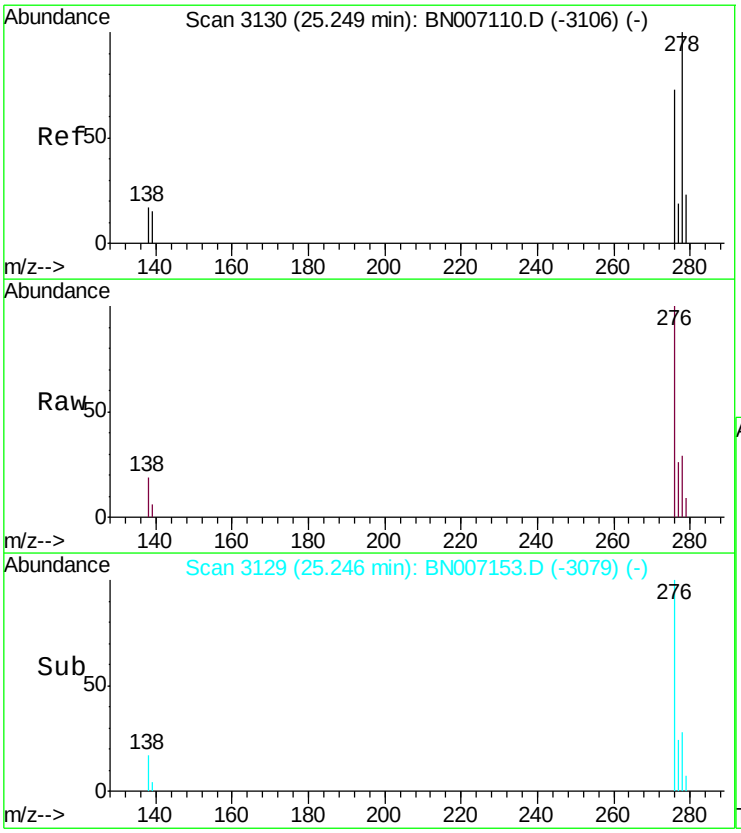
#35
Benzo(a)pyrene
Concen: 3.594 ng
RT: 23.07 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Instrument :
BNA_N
ClientSampleId :
PST-032-B206-073119

Tgt Ion:252 Resp: 607391

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.5	27.7
125	9.8	8.2	12.4

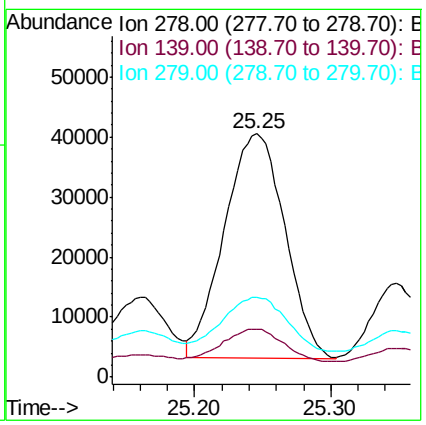


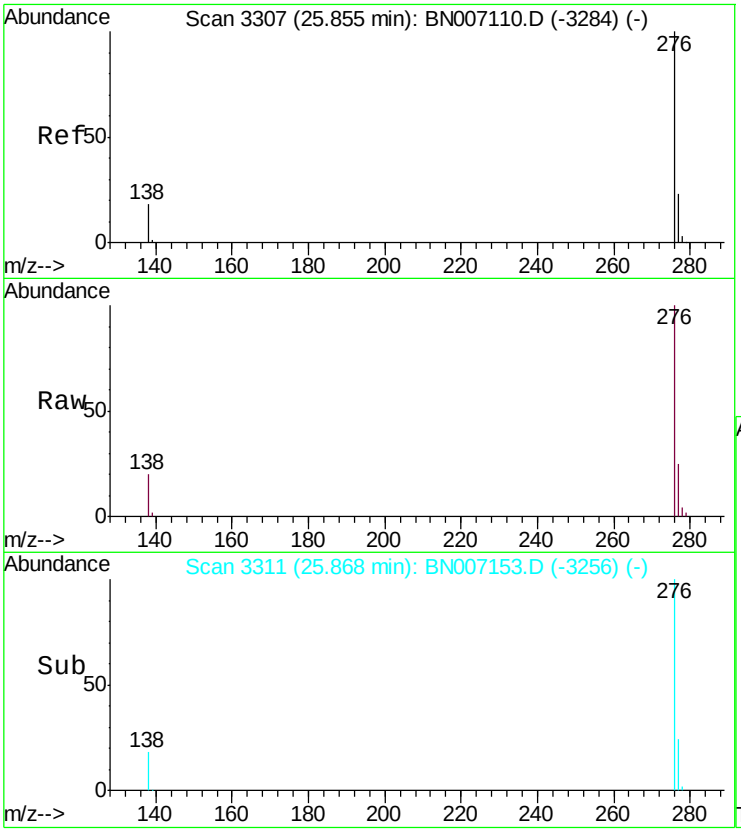


#36
Dibenzo(a,h)anthracene
Concen: 0.686 ng
RT: 25.25 min Scan# 3129
Delta R.T. -0.03 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Tgt Ion:278 Resp: 115650

Ion	Ratio	Lower	Upper
278	100		
139	19.4	11.3	16.9#
279	32.9	19.3	28.9#





#37
Benzo(g,h,i)perylene
Concen: 2.490 ng
RT: 25.87 min Scan# 3311
Delta R.T. -0.01 min
Lab File: BN007153.D
Acq: 14 Aug 2019 05:09

Instrument :
BNA_N
ClientSampleId :
PST-032-B206-073119

Tgt Ion:276 Resp: 432012

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.8	29.8
138	19.5	14.6	22.0