Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081519\
Data File : BN007194.D
Acq On : 15 Aug 2019 13:45
Operator : HP/JU
Sample : K4173-20 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId :

Quant Time: Aug 16 02:41:41 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	7951	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	31563	0.40	ng		0.00
12) Acenaphthene-d10	14.07	164	18553	0.40	ng		-0.01
18) Phenanthrene-d10	16.82	188	43171	0.40	ng		0.00
26) Chrysene-d12	21.05	240	42278	0.40	ng		-0.01
32) Perylene-d12	23.15	264	48725	0.40	ng		-0.02
System Monitoring Compounds							
3) 2-Fluorophenol	5.05	112	2696	0.14	ng		0.00
4) Phenol-d6	6.61	99	3587	0.15	ng		0.00
7) Nitrobenzene-d5	8.55	82	2904	0.11	ng		-0.01
10) 2-Methylnaphthalene-d10	11.78	152	6409	0.11	ng		-0.01
13) 2,4,6-Tribromophenol	15.57	330	1031	0.10	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	1111	0.04	ng		0.00
24) Fluoranthene-d10	18.86	212	17724	0.12	ng		-0.01
28) Terphenyl-d14	19.48	244	12701	0.11	ng		-0.01
Target Compounds							Qvalue
8) Naphthalene	10.23	128	13973	0.158	ng		99
11) 2-Methylnaphthalene	11.86	142	15452	0.246	ng		98
15) Acenaphthylene	13.79	152	121624	1.254	ng		99
16) Acenaphthene	14.13	154	17030	0.274	ng		87
17) Fluorene	15.12	166	45486	0.489	ng		88
22) Phenanthrene	16.87	178	886612	6.853	ng		100
23) Anthracene	16.95	178	133736	1.131	ng		98
25) Fluoranthene	18.90	202	949527	5.737	ng		99
27) Pyrene	19.26	202	1350763	9.110	ng		97
29) Benzo(a)anthracene	21.02	228	553317	3.579	ng		92
30) Chrysene	21.08	228	651233	4.335	ng		98
31) Indeno(1,2,3-cd)pyrene	25.23	276	293515	1.773	ng		99
33) Benzo(b)fluoranthene	22.54	252	596184	3.568	ng		100
34) Benzo(k)fluoranthene	22.54	252	596184	3.613	ng		99
35) Benzo(a)pyrene	23.06	252	474891	3.135	ng		99
36) Dibenzo(a,h)anthracene	25.24	278	85497	0.566	ng	#	89
37) Benzo(g,h,i)perylene	25.86	276	337883	2.173	ng		99

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

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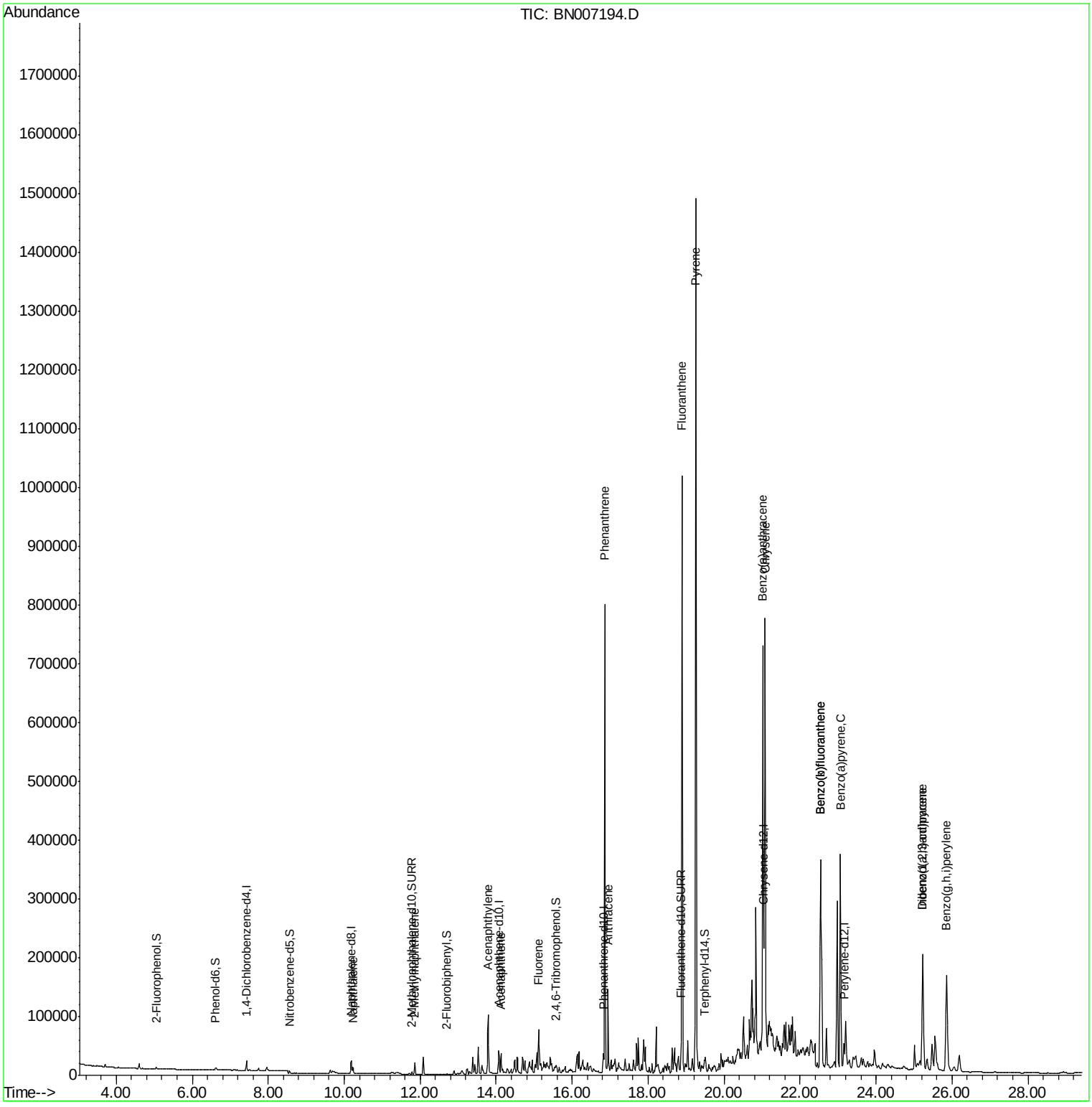
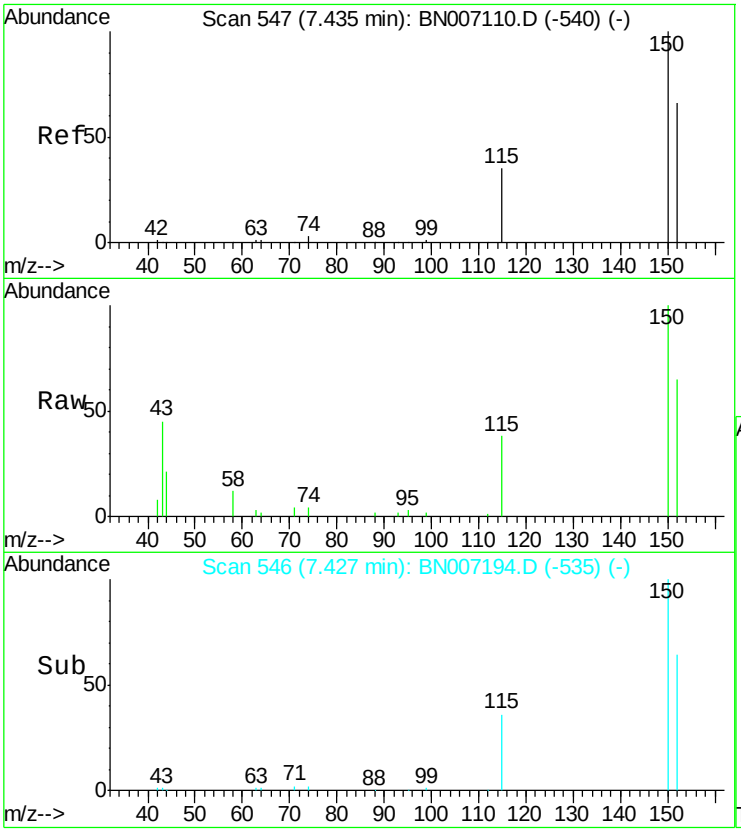


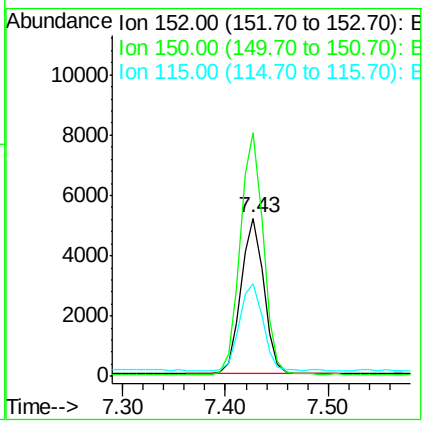


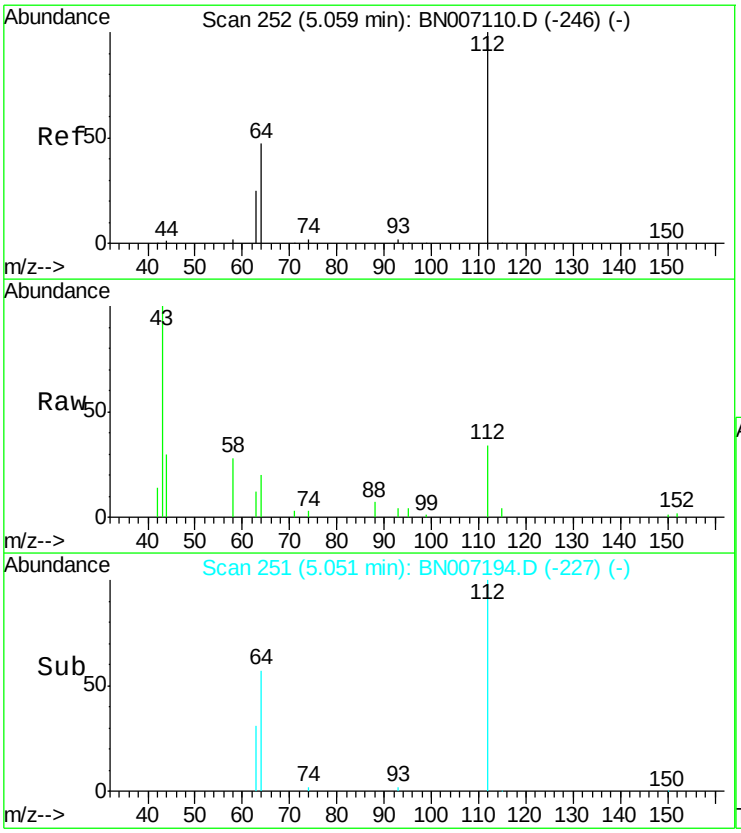
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 7951

Ion	Ratio	Lower	Upper
152	100		
150	153.8	121.7	182.5
115	58.9	46.2	69.4

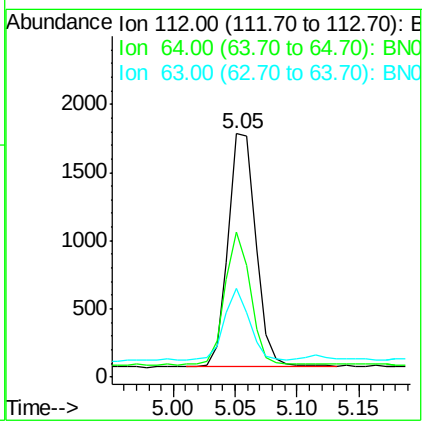


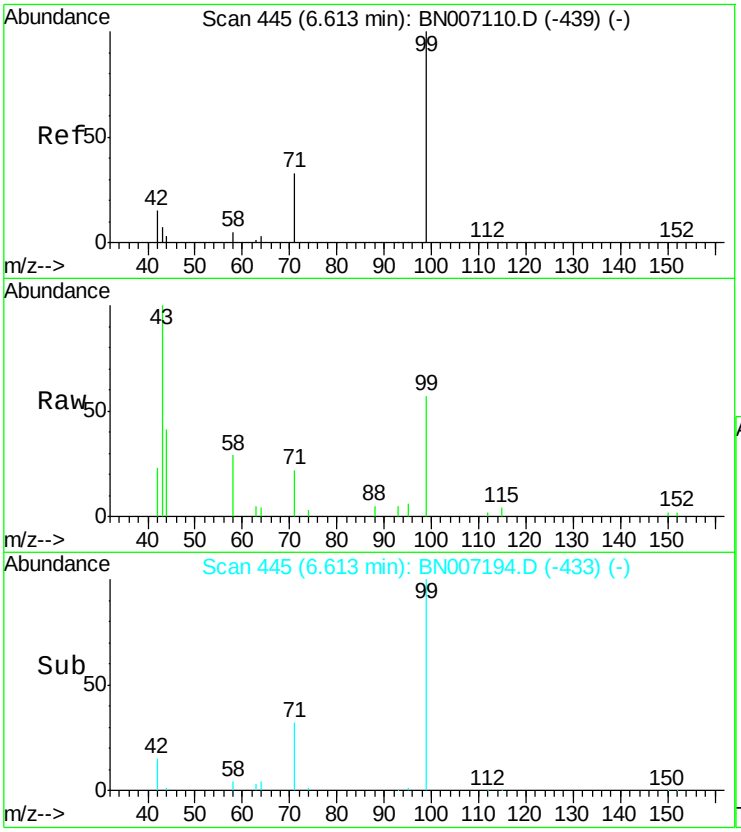


#3
2-Fluorophenol
Concen: 0.141 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Tgt Ion:112 Resp: 2696

Ion	Ratio	Lower	Upper
112	100		
64	52.0	42.6	63.8
63	27.9	22.2	33.2



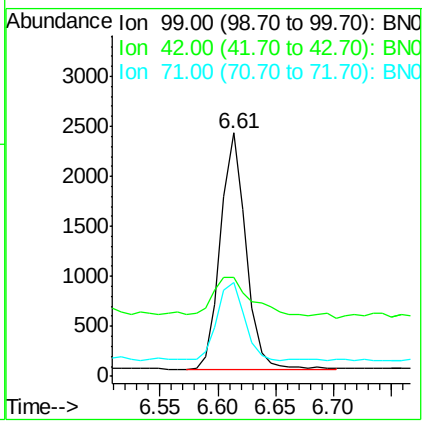


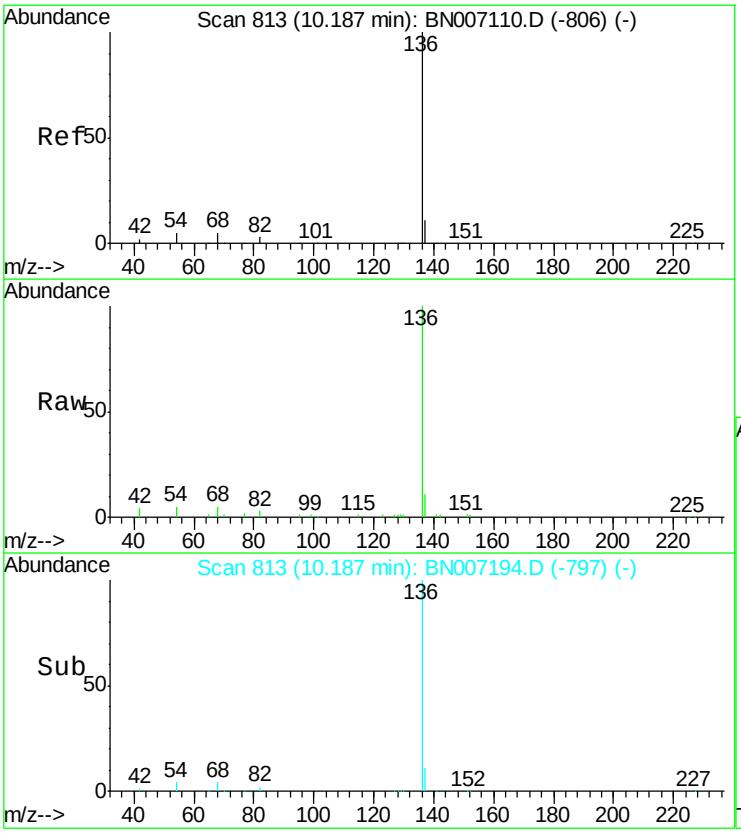
#4
Phenol-d6
Concen: 0.152 ng
RT: 6.61 min Scan# 445
Delta R.T. -0.00 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 99 Resp: 3587

Ion	Ratio	Lower	Upper
99	100		
42	24.9	15.8	23.6#
71	35.6	27.0	40.4

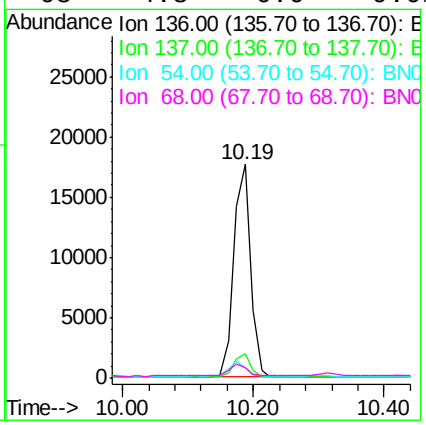


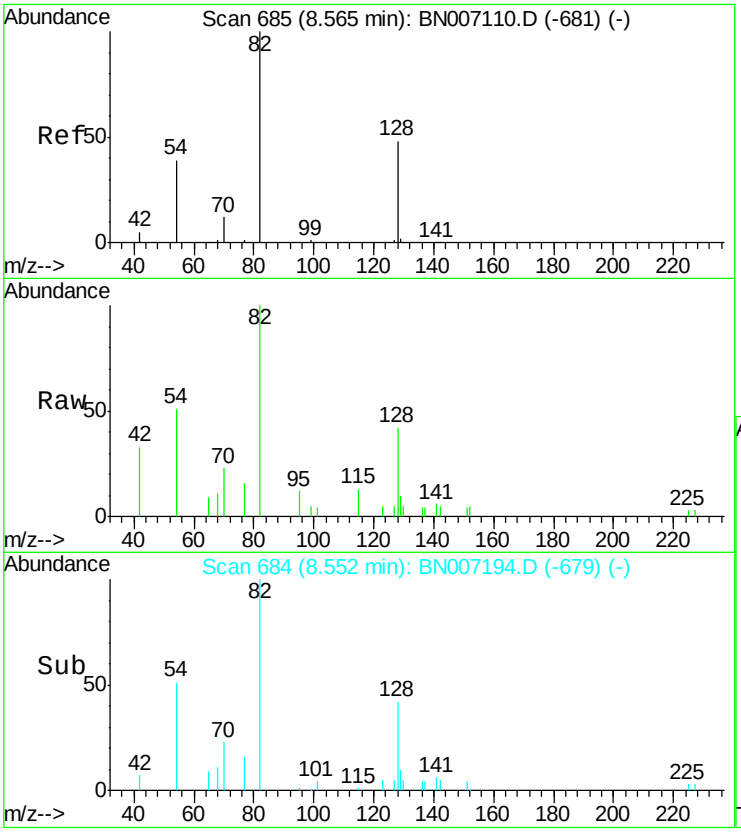


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Tgt Ion:136 Resp: 31563

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.4	14.0
54	4.6	6.6	9.8#
68	4.8	6.0	9.0#



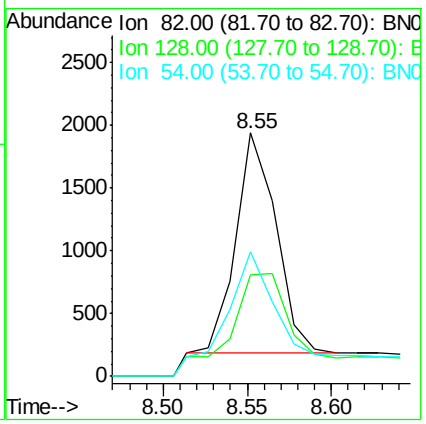


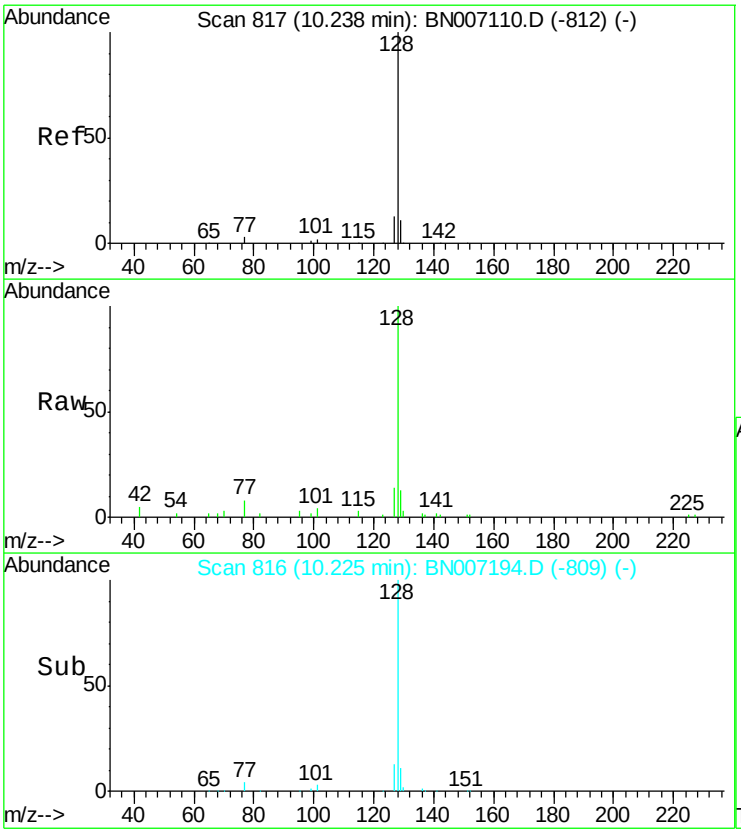
#7
Nitrobenzene-d5
Concen: 0.114 ng
RT: 8.55 min Scan# 684
Delta R.T. -0.01 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 82 Resp: 2904

Ion	Ratio	Lower	Upper
82	100		
128	41.9	34.6	51.8
54	51.2	36.2	54.4

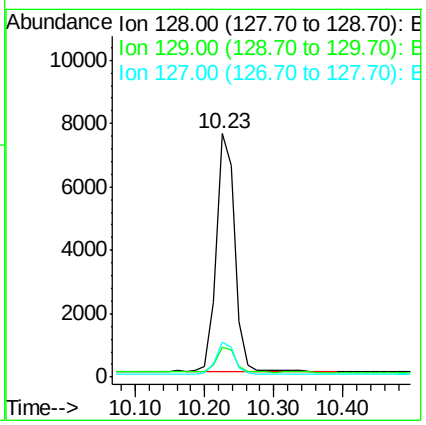


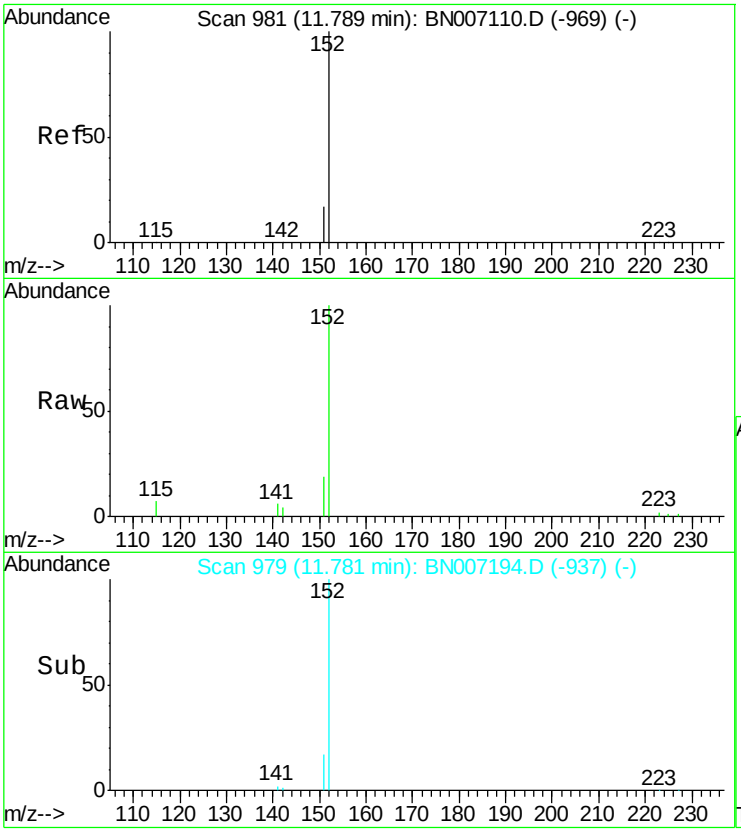


#8
Naphthalene
Concen: 0.158 ng
RT: 10.23 min Scan# 816
Delta R.T. -0.01 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Tgt Ion:128 Resp: 13973

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



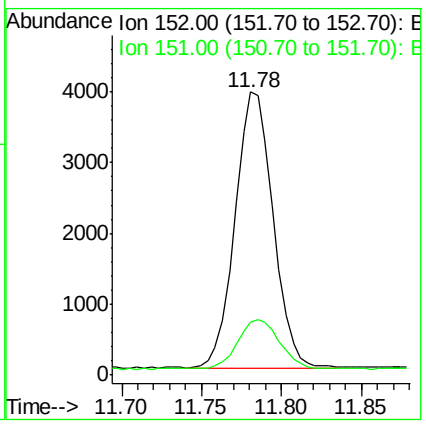


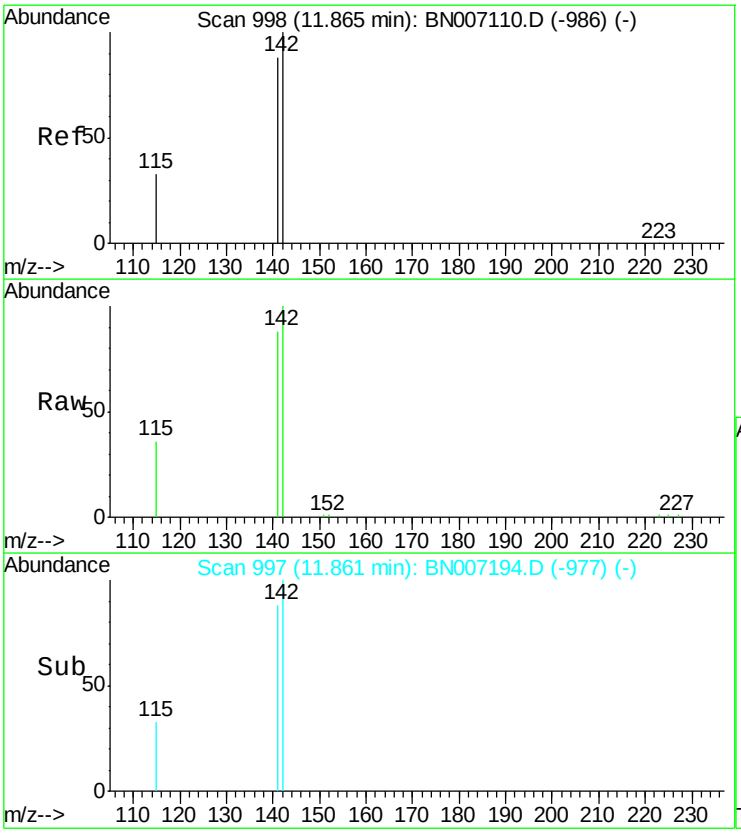
#10
2-Methylnaphthalene-d10
Concen: 0.109 ng
RT: 11.78 min Scan# 979
Delta R.T. -0.01 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 6409

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.5	23.3

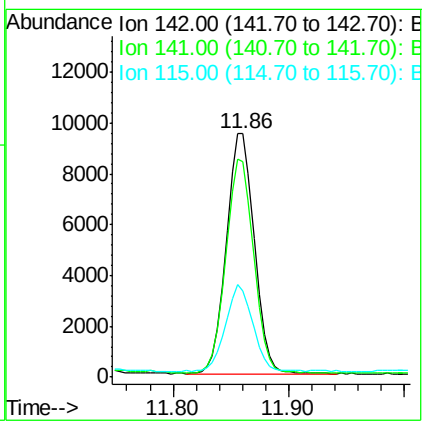


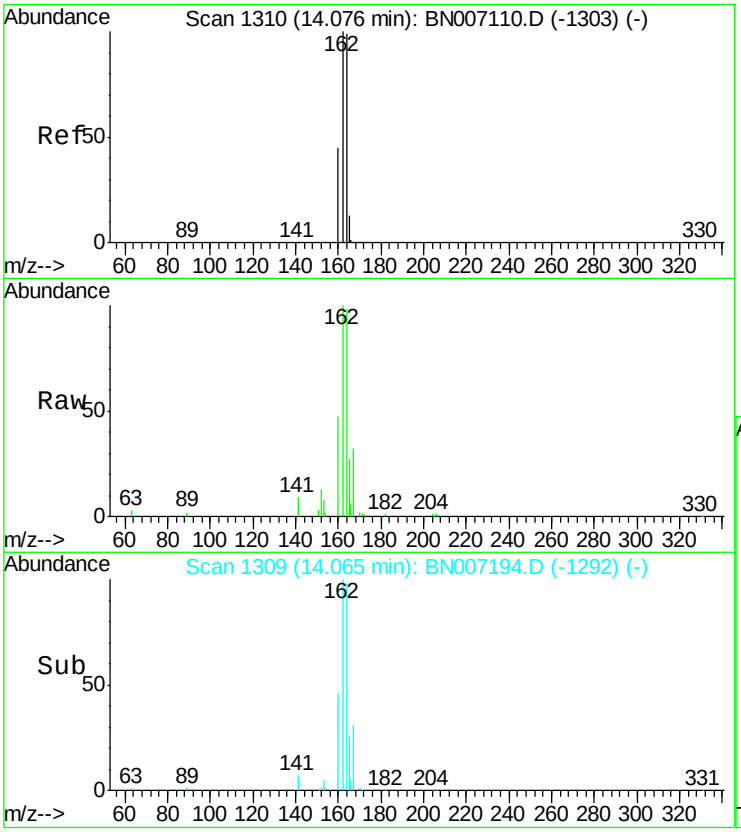


#11
2-Methylnaphthalene
Concen: 0.246 ng
RT: 11.86 min Scan# 997
Delta R.T. -0.01 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Tgt Ion:142 Resp: 15452

Ion	Ratio	Lower	Upper
142	100		
141	88.4	69.0	103.6
115	35.7	27.1	40.7



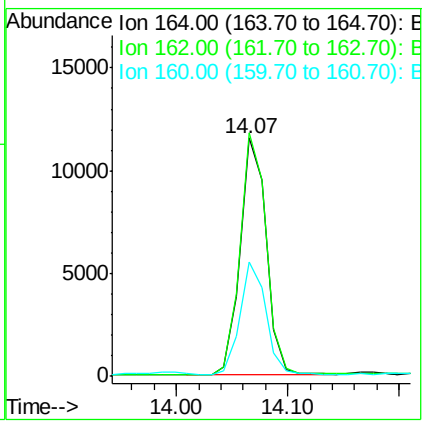


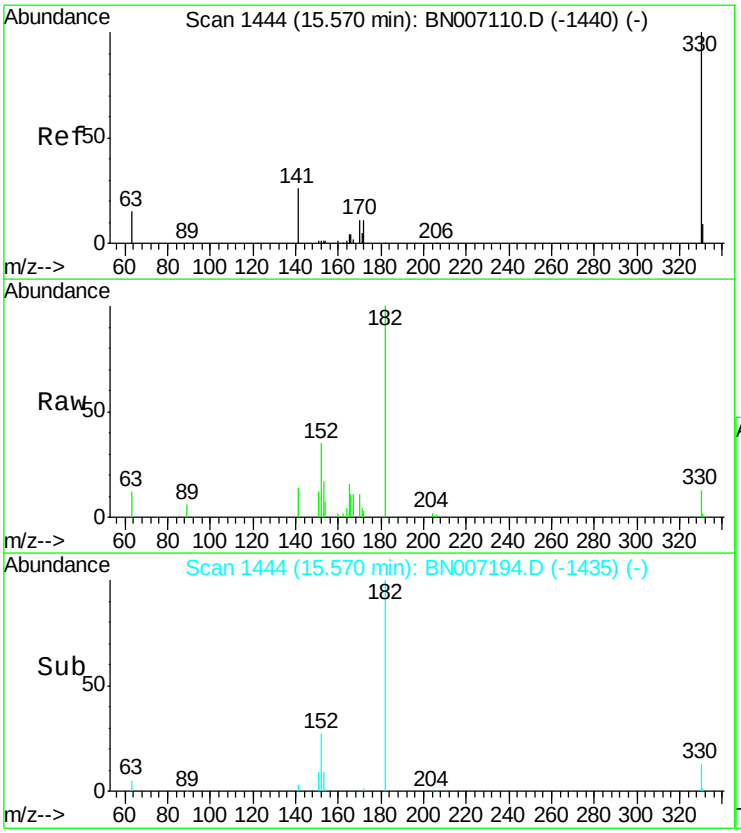
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:164 Resp: 18553

Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.2	123.4
160	47.8	38.3	57.5

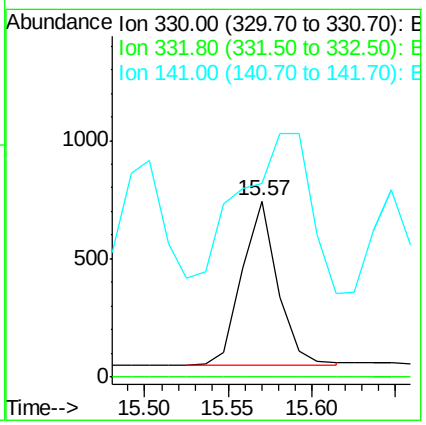


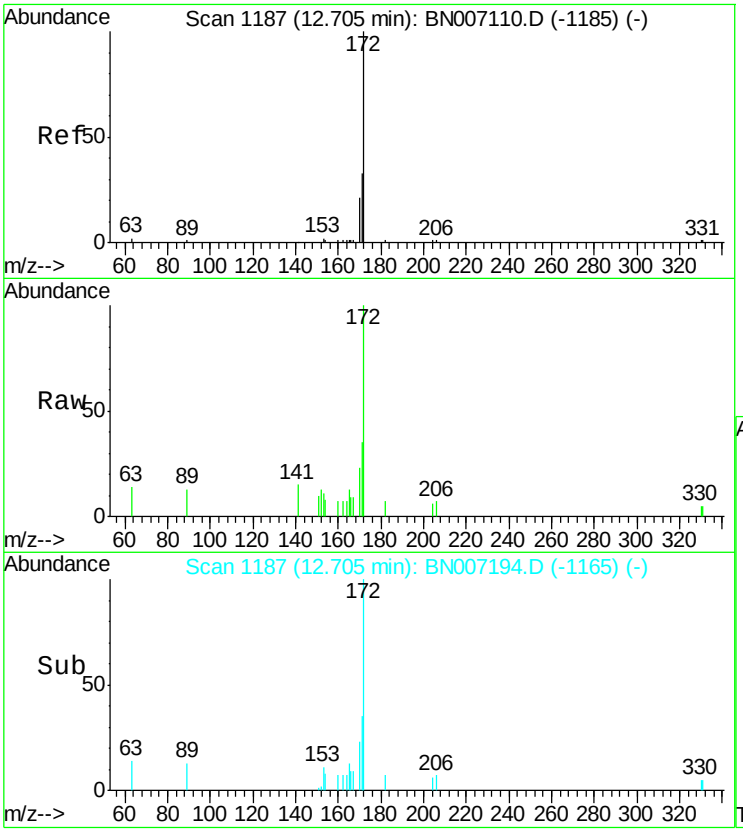


#13
2,4,6-Tribromophenol
Concen: 0.103 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Tgt Ion:330 Resp: 1031

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



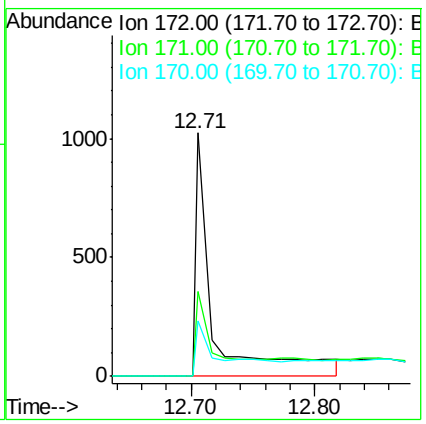


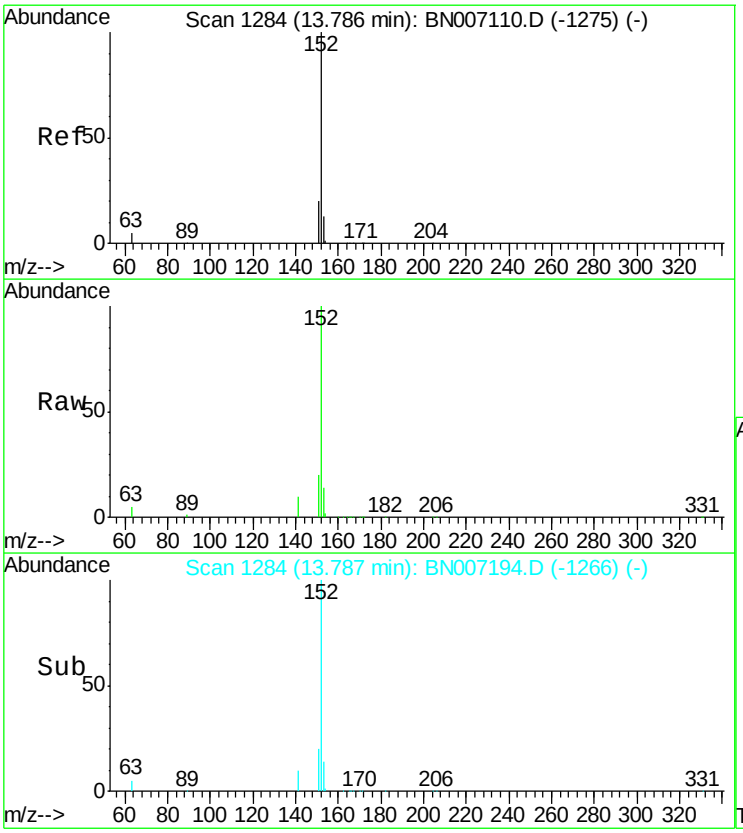
#14
2-Fluorobiphenyl
Concen: 0.041 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:172 Resp: 1111

Ion	Ratio	Lower	Upper
172	100		
171	35.1	26.3	39.5
170	22.9	17.0	25.4

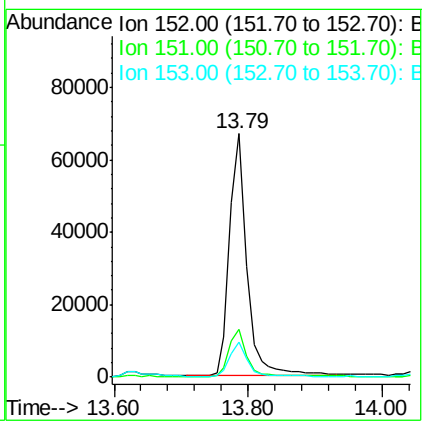


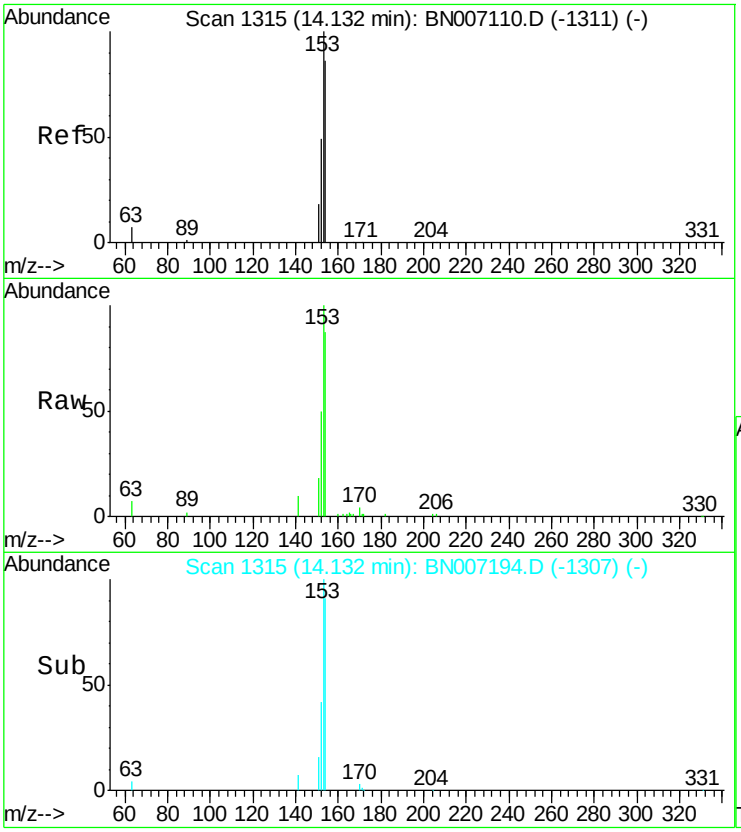


#15
Acenaphthylene
Concen: 1.254 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Tgt Ion:152 Resp: 121624

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	14.1	10.4	15.6



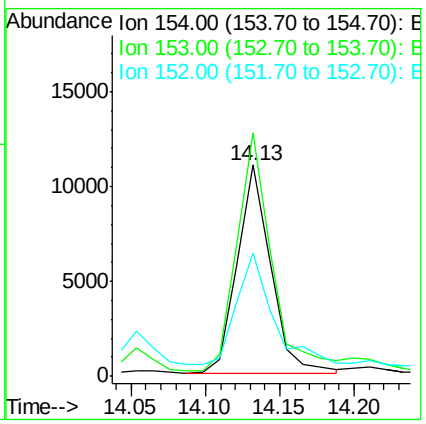


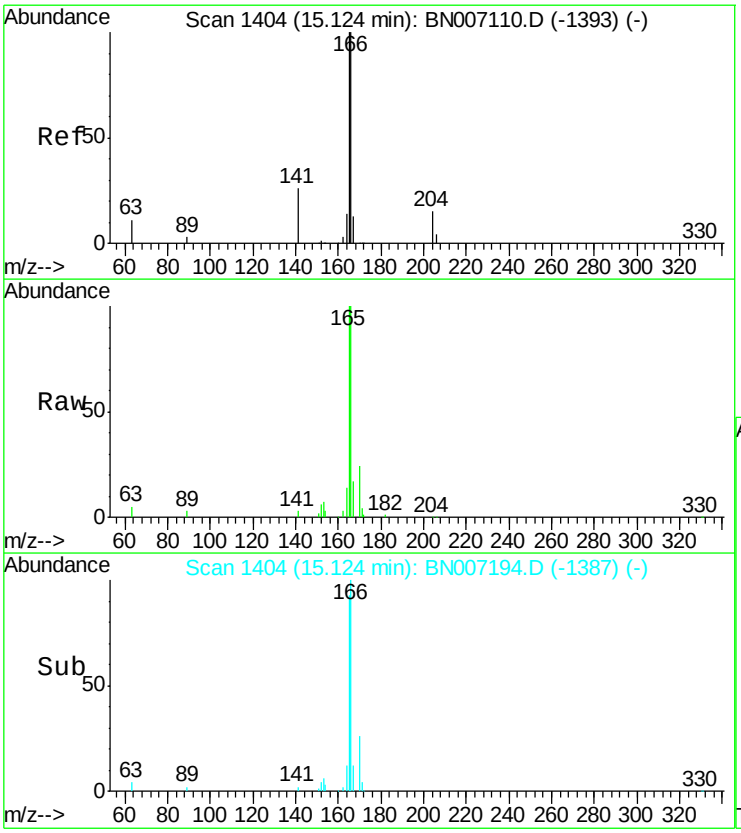
#16
Acenaphthene
Concen: 0.274 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:154 Resp: 17030

Ion	Ratio	Lower	Upper
154	100		
153	125.7	89.5	134.3
152	65.2	44.8	67.2

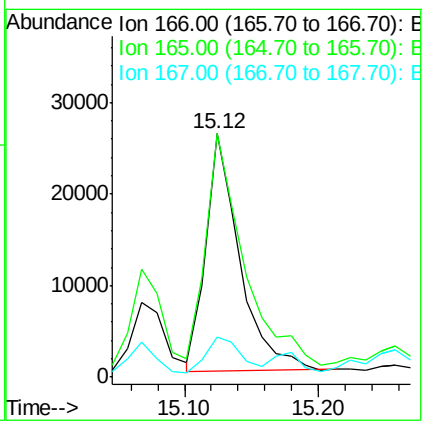


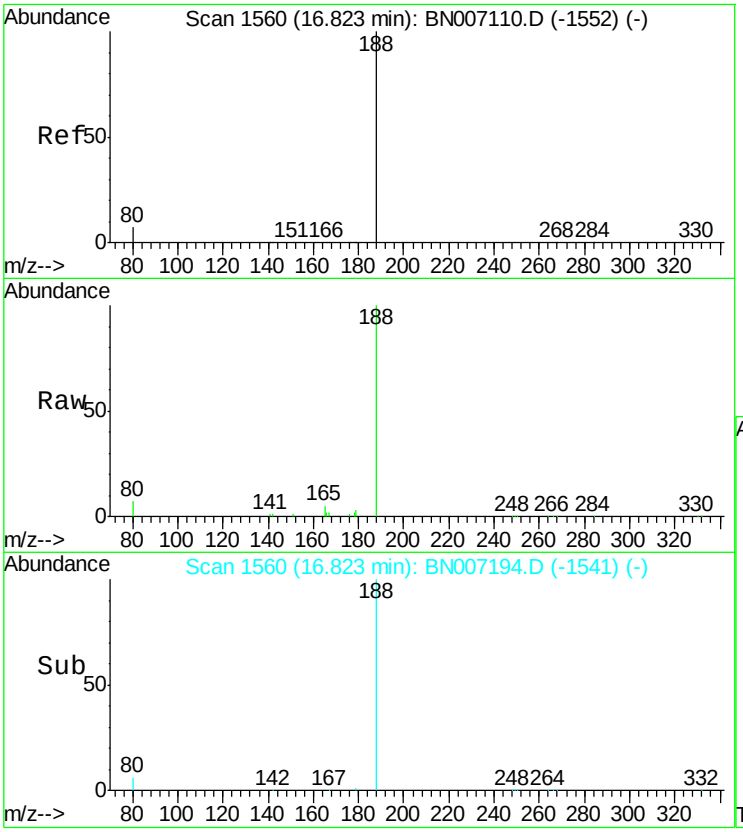


#17
Fluorene
Concen: 0.489 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Tgt Ion:166 Resp: 45486

Ion	Ratio	Lower	Upper
166	100		
165	109.7	77.9	116.9
167	15.6	10.9	16.3



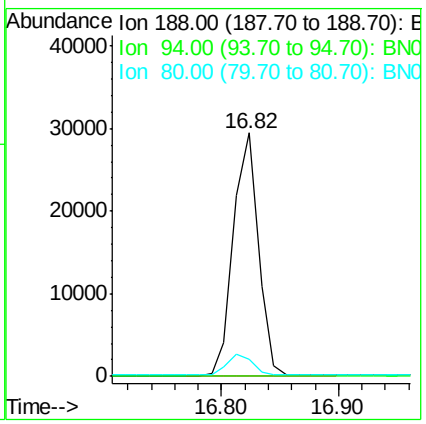


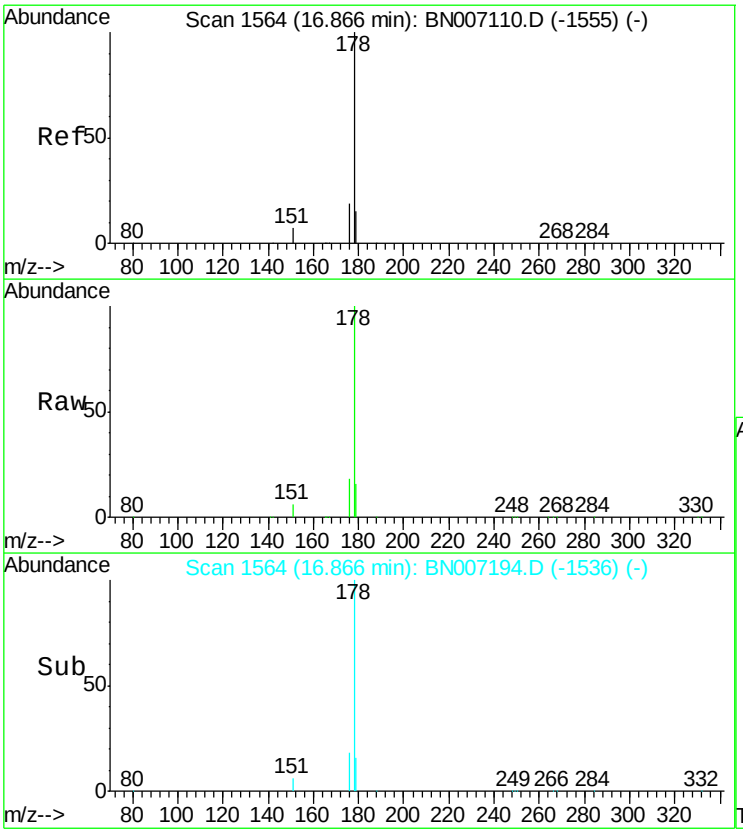
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:188 Resp: 43171

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.8	7.8	11.6#

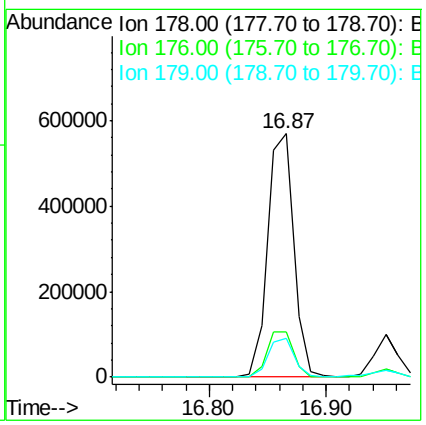


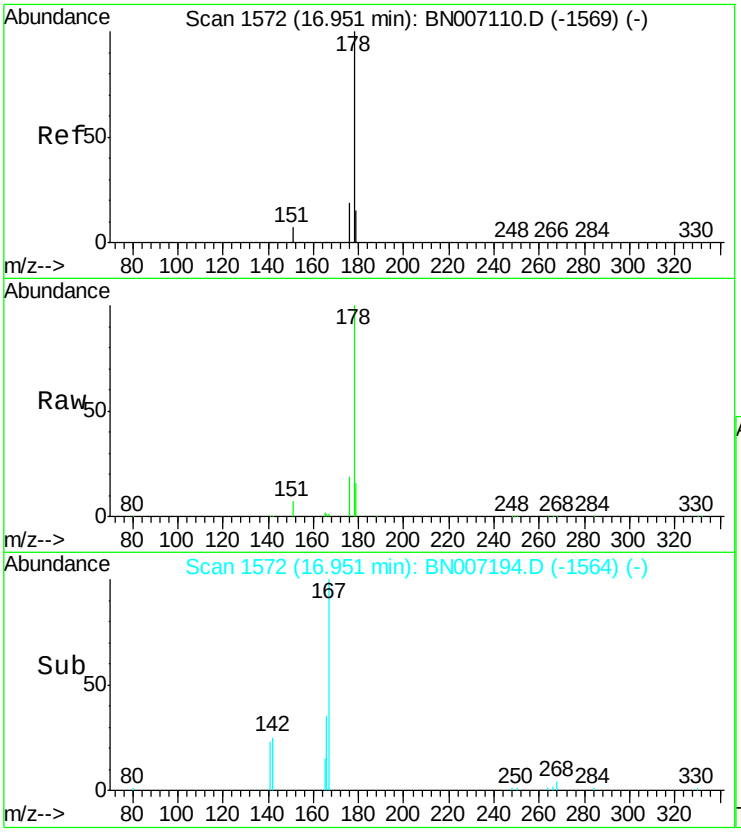


#22
Phenanthrene
Concen: 6.853 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Tgt Ion:178 Resp: 886612

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



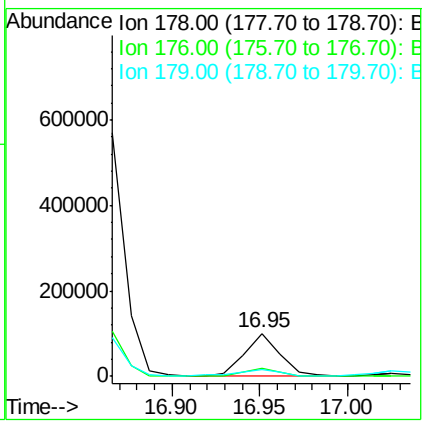


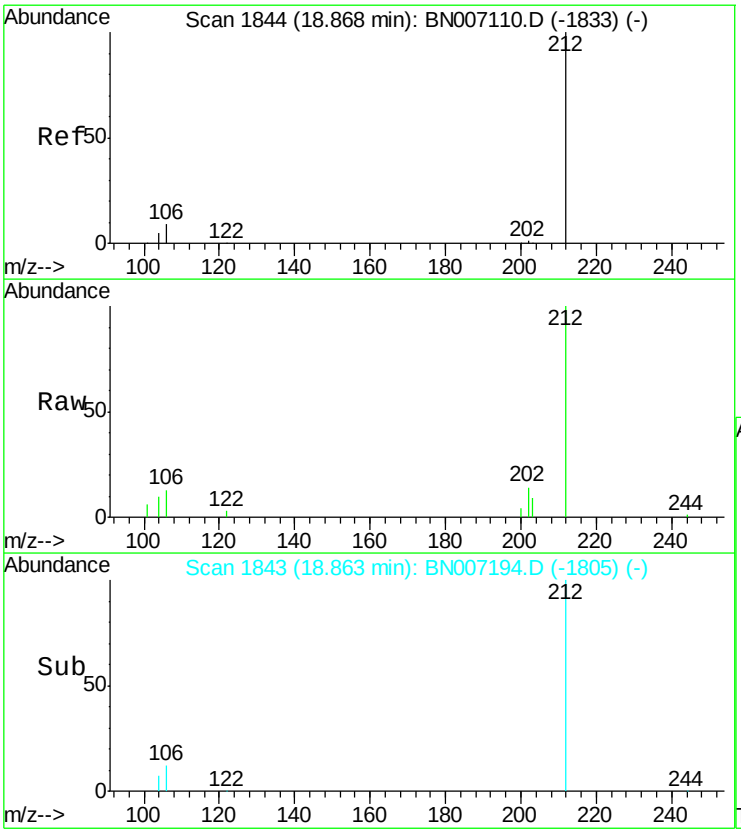
#23
Anthracene
Concen: 1.131 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 133736

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	17.0	12.5	18.7

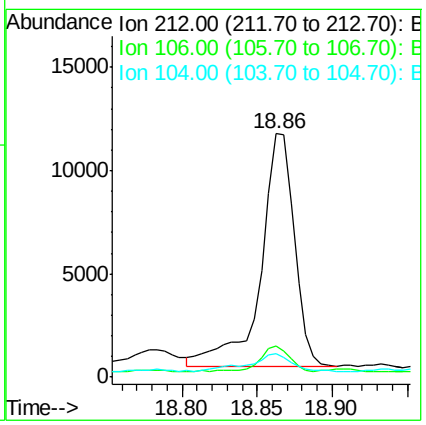


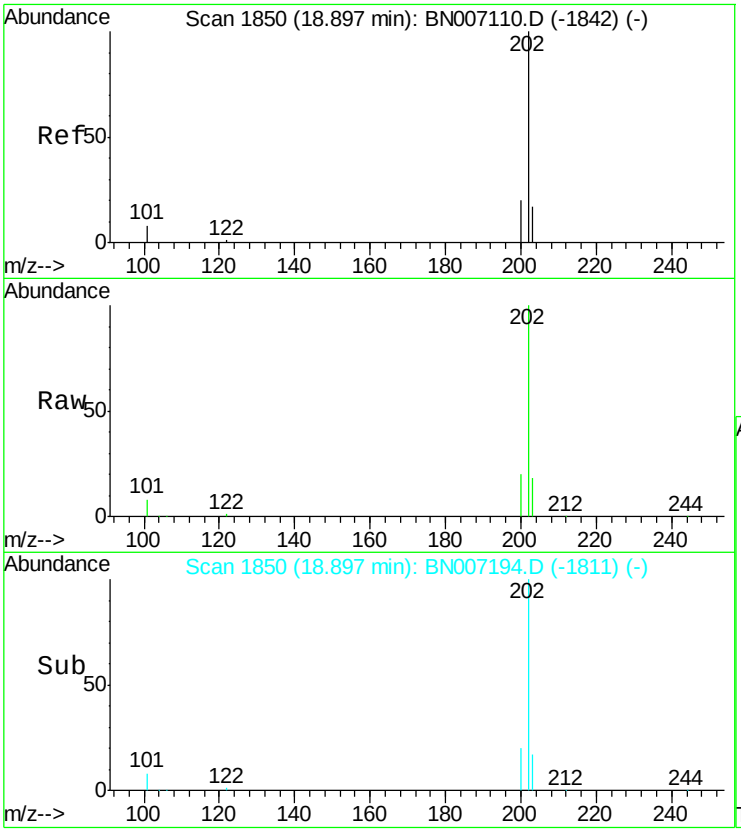


#24
Fluoranthene-d10
Concen: 0.116 ng
RT: 18.86 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Tgt Ion:212 Resp: 17724

Ion	Ratio	Lower	Upper
212	100		
106	9.9	8.2	12.2
104	9.0	4.5	6.7#



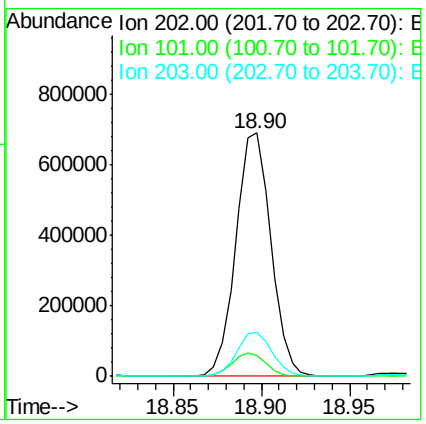


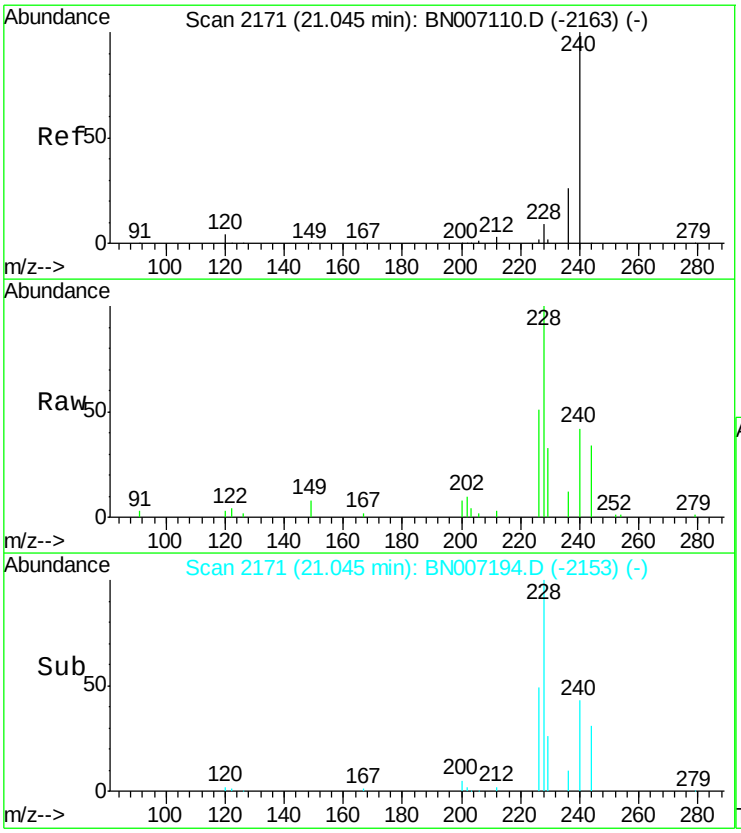
#25
Fluoranthene
Concen: 5.737 ng
RT: 18.90 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:202 Resp: 949527

Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.0	10.4
203	18.0	13.8	20.8

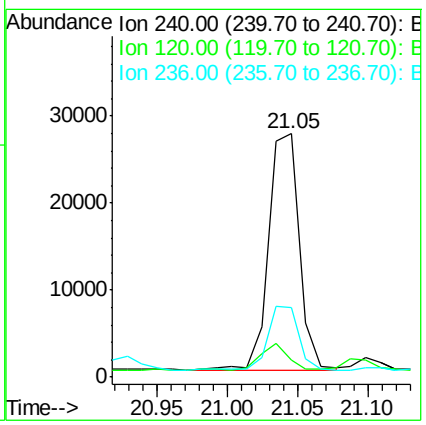


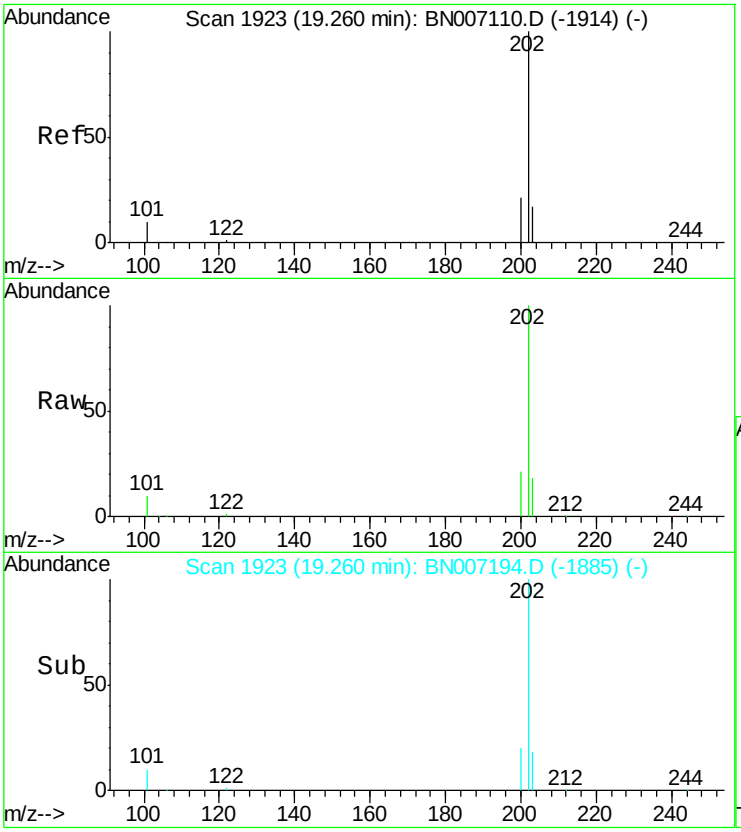


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Tgt Ion:240 Resp: 42278

Ion	Ratio	Lower	Upper
240	100		
120	6.8	4.0	6.0#
236	28.4	21.3	31.9



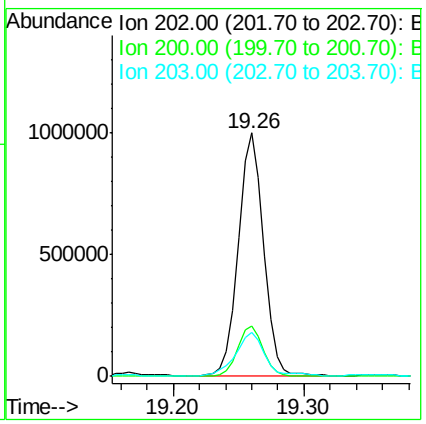


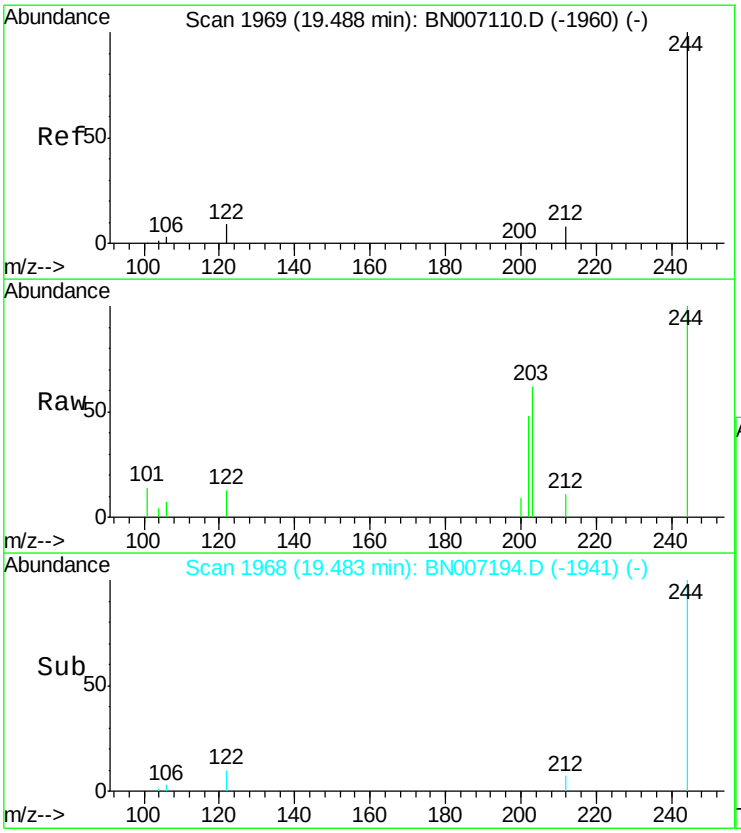
#27
Pyrene
Concen: 9.110 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:202 Resp: 1350763

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	20.2	14.0	21.0

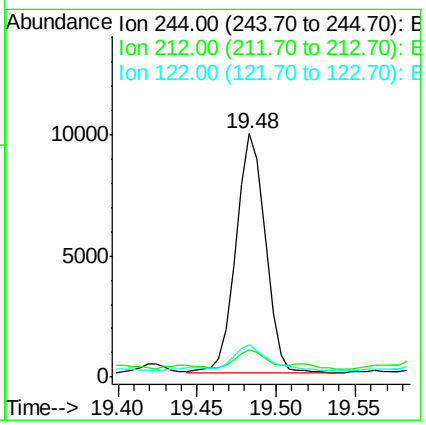


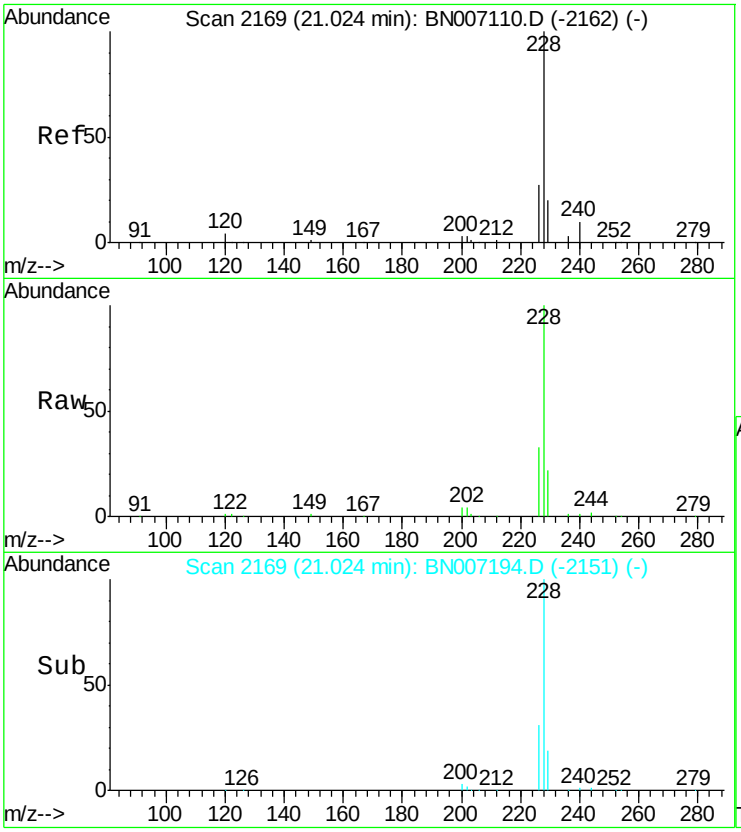


#28
Terphenyl-d14
Concen: 0.110 ng
RT: 19.48 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Tgt Ion:244 Resp: 12701

Ion	Ratio	Lower	Upper
244	100		
212	11.1	6.2	9.2#
122	13.4	7.4	11.2#



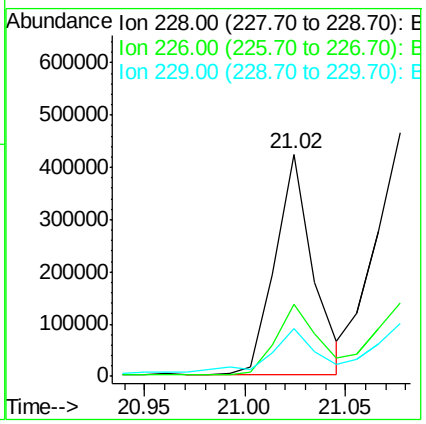


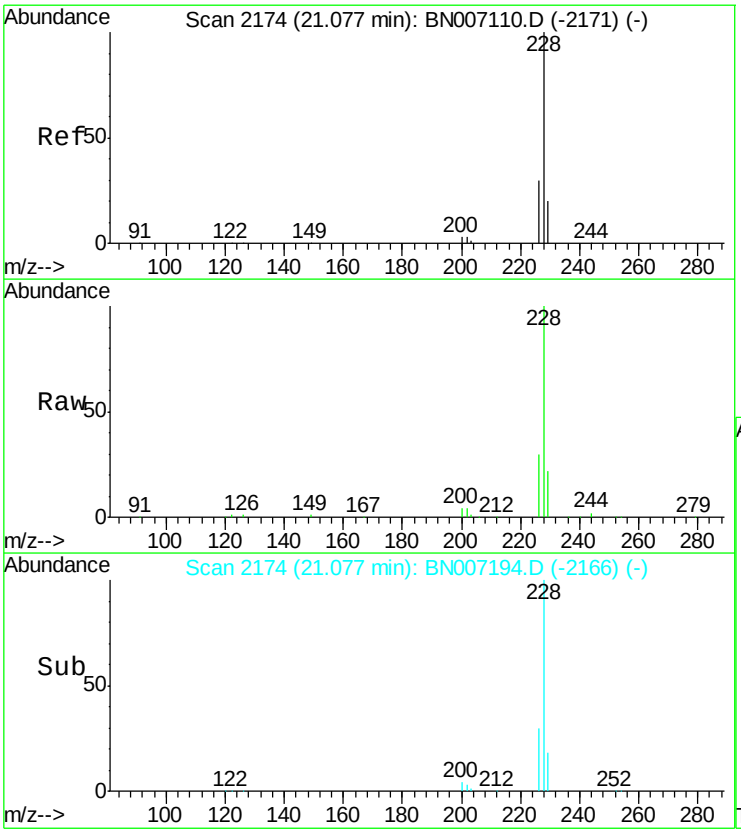
#29
Benzo(a)anthracene
Concen: 3.579 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 553317

Ion	Ratio	Lower	Upper
228	100		
226	32.5	21.8	32.6
229	21.6	15.6	23.4

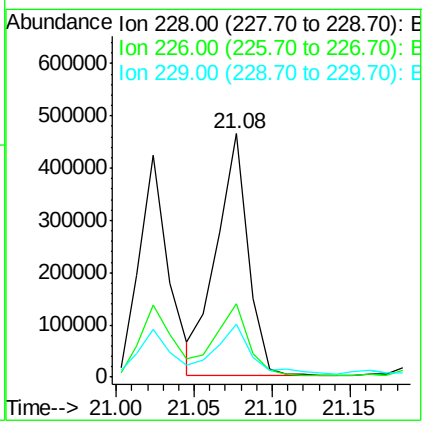


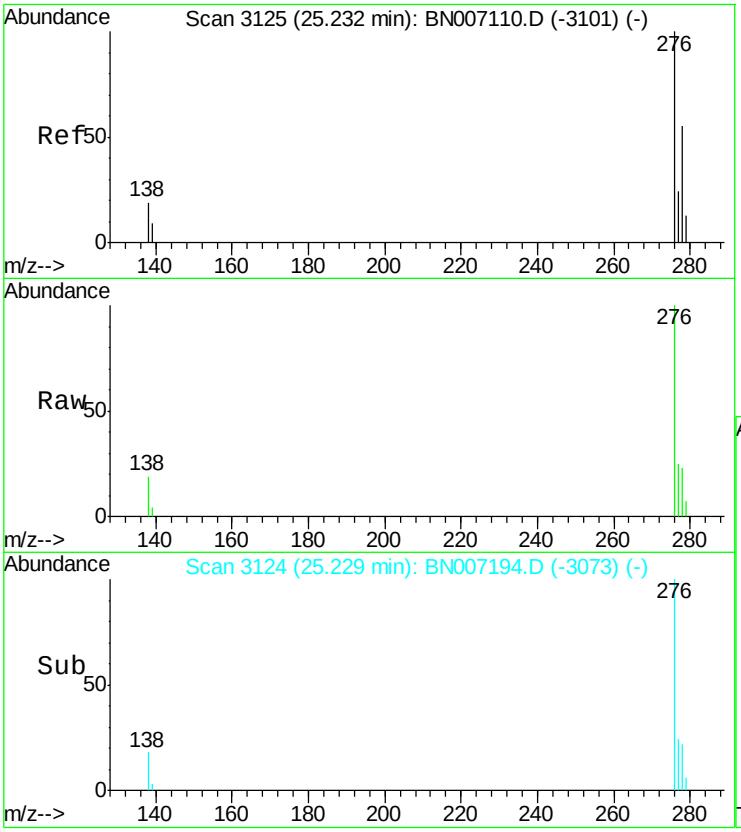


#30
Chrysene
Concen: 4.335 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Tgt Ion:228 Resp: 651233

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.8	35.6
229	21.9	15.7	23.5



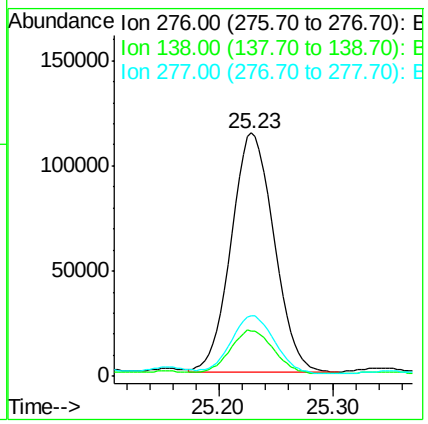


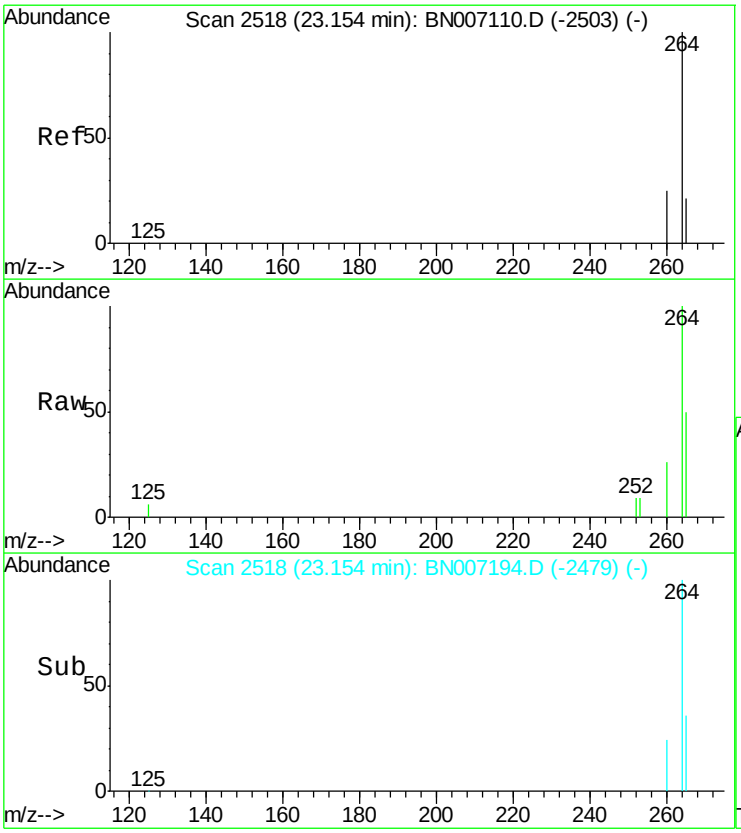
#31
Indeno(1,2,3-cd)pyrene
Concen: 1.773 ng
RT: 25.23 min Scan# 3124
Delta R.T. -0.02 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 293515

Ion	Ratio	Lower	Upper
276	100		
138	18.6	16.0	24.0
277	24.9	19.9	29.9

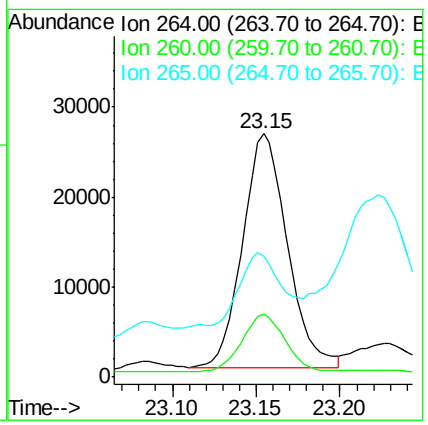


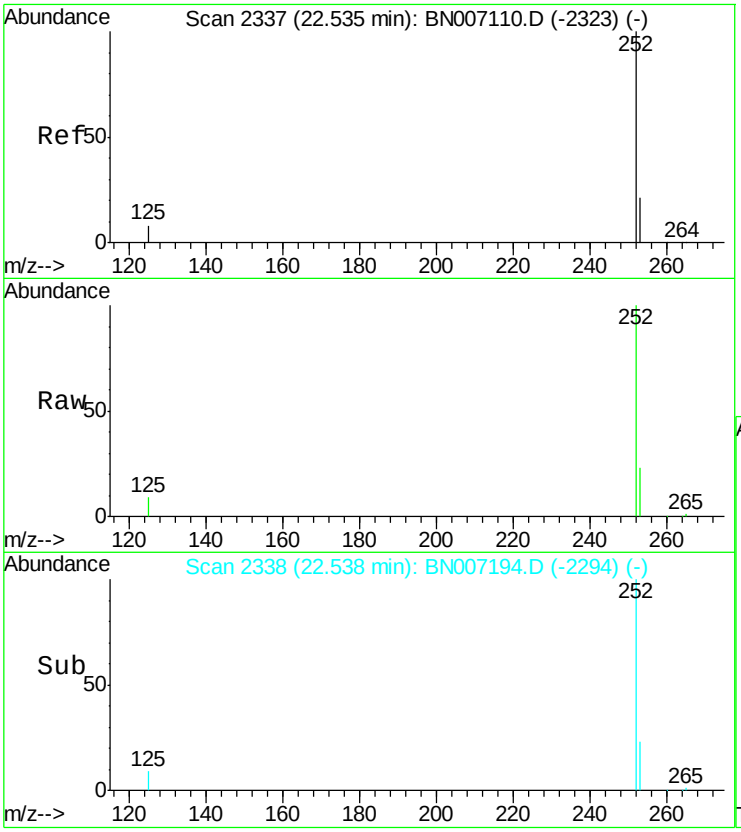


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.15 min Scan# 2518
Delta R.T. -0.02 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Tgt Ion:264 Resp: 48725

Ion	Ratio	Lower	Upper
264	100		
260	25.9	19.8	29.8
265	49.6	26.2	39.4#



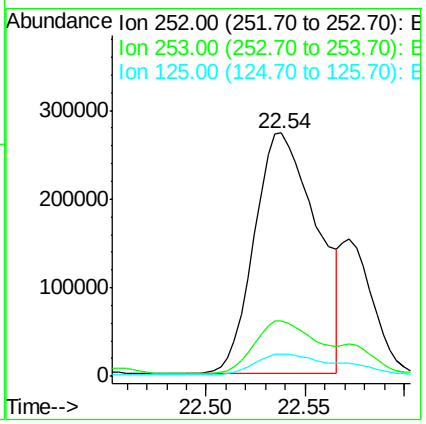


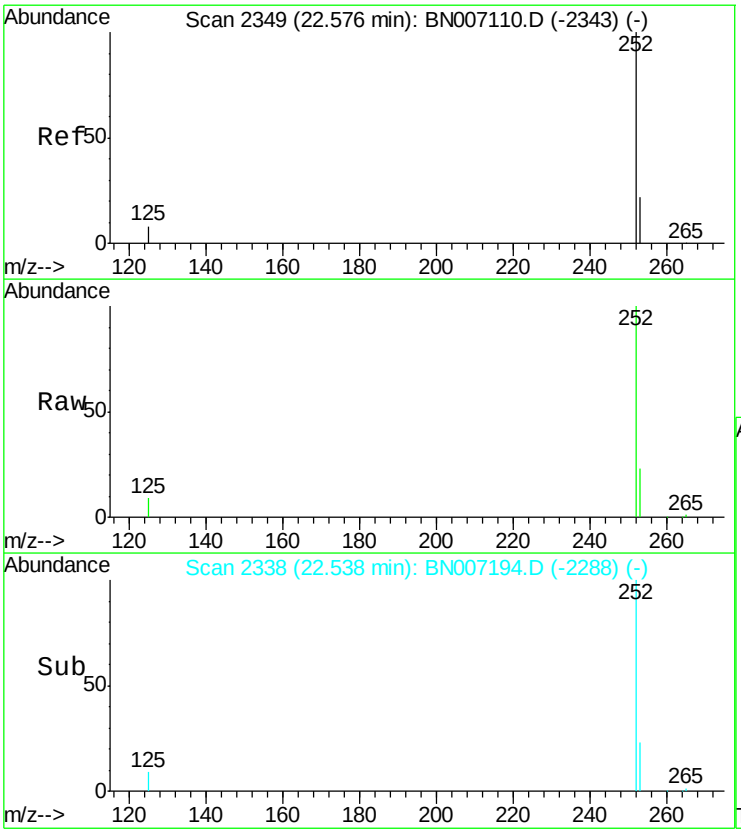
#33
Benzo(b)fluoranthene
Concen: 3.568 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.01 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 596184

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	9.3	7.4	11.0

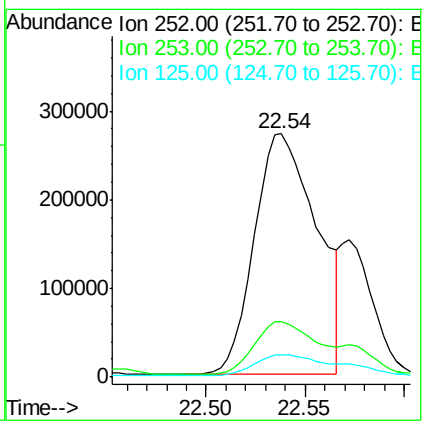


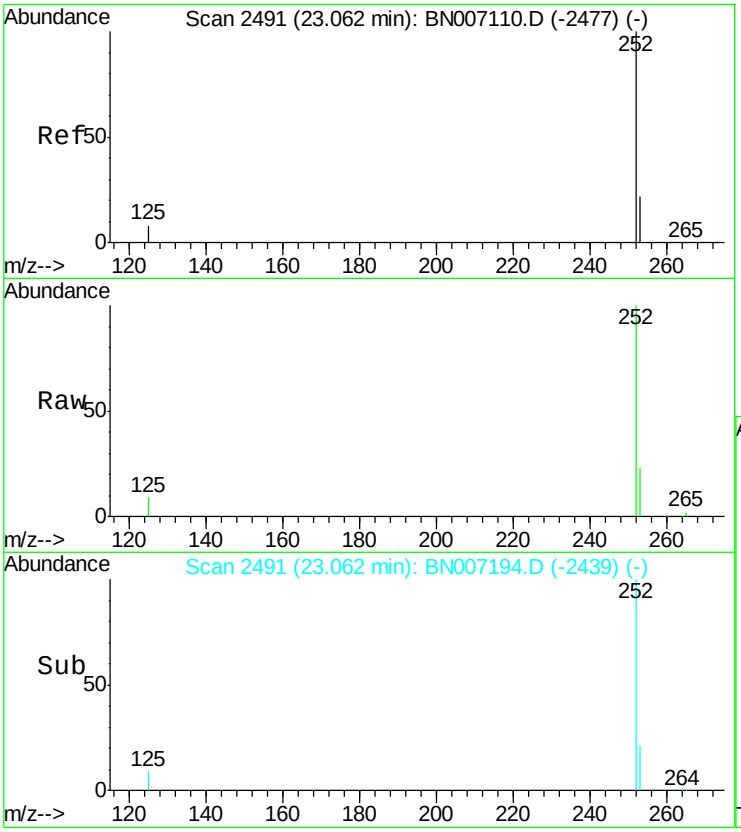


#34
Benzo(k)fluoranthene
Concen: 3.613 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.05 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Tgt Ion:252 Resp: 596184

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



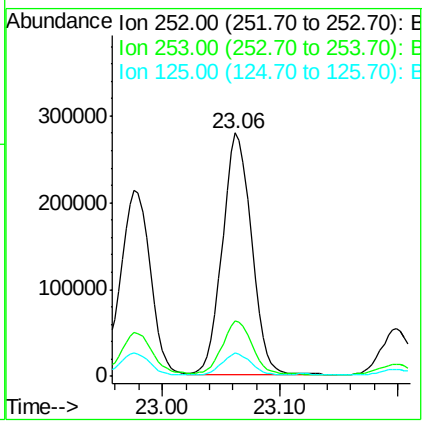


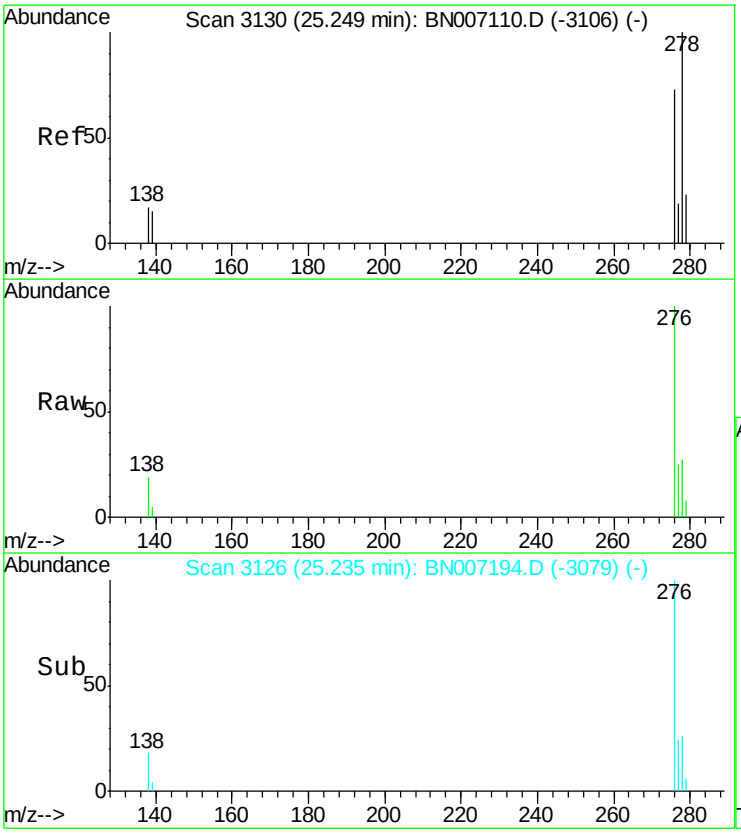
#35
Benzo(a)pyrene
Concen: 3.135 ng
RT: 23.06 min Scan# 2491
Delta R.T. -0.02 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 474891

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.5	27.7
125	9.4	8.2	12.4

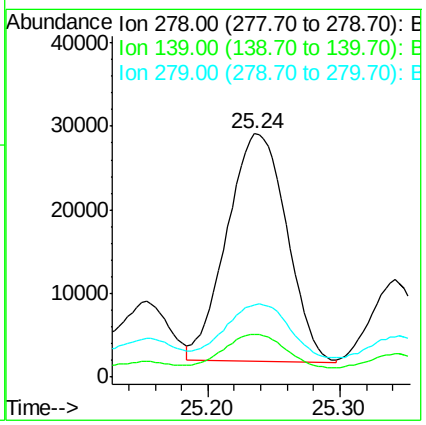


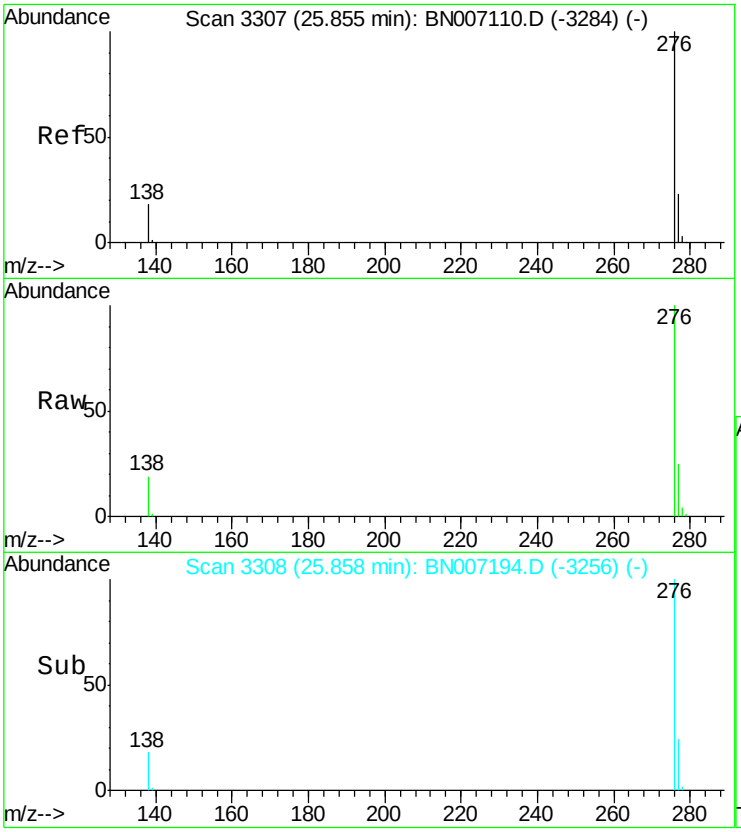


#36
Dibenzo(a,h)anthracene
Concen: 0.566 ng
RT: 25.24 min Scan# 3126
Delta R.T. -0.04 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Tgt Ion:278 Resp: 85497

Ion	Ratio	Lower	Upper
278	100		
139	17.7	11.3	16.9#
279	29.8	19.3	28.9#





#37
Benzo(g,h,i)perylene
Concen: 2.173 ng
RT: 25.86 min Scan# 3308
Delta R.T. -0.02 min
Lab File: BN007194.D
Acq: 15 Aug 2019 13:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 337883

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.8	29.8
138	19.0	14.6	22.0