Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081519\
Data File : BN007203.D
Acq On : 15 Aug 2019 19:09
Operator : HP/JU
Sample : K4239-15 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId :

Quant Time: Aug 16 07:05:52 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	7420	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	29267	0.40	ng		0.00
12) Acenaphthene-d10	14.07	164	16656	0.40	ng		-0.01
18) Phenanthrene-d10	16.82	188	39410	0.40	ng		0.00
26) Chrysene-d12	21.03	240	38932	0.40	ng		-0.02
32) Perylene-d12	23.15	264	43089	0.40	ng		-0.02
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	858	0.05	ng		0.00
4) Phenol-d6	6.61	99	1179	0.05	ng		0.00
7) Nitrobenzene-d5	8.55	82	899	0.04	ng		-0.01
10) 2-Methylnaphthalene-d10	11.79	152	1923	0.04	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	314	0.04	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	529	0.02	ng		0.00
24) Fluoranthene-d10	18.86	212	5539	0.04	ng		-0.01
28) Terphenyl-d14	19.48	244	3646	0.03	ng		-0.02
Target Compounds							Qvalue
8) Naphthalene	10.22	128	3699	0.045	ng	#	92
11) 2-Methylnaphthalene	11.86	142	2984	0.051	ng	#	95
15) Acenaphthylene	13.79	152	27330	0.314	ng		99
16) Acenaphthene	14.13	154	4563	0.082	ng		96
17) Fluorene	15.12	166	9396	0.113	ng		87
22) Phenanthrene	16.86	178	240587	2.037	ng		100
23) Anthracene	16.95	178	35998	0.334	ng		98
25) Fluoranthene	18.89	202	375327	2.484	ng		99
27) Pyrene	19.26	202	576595	4.223	ng		97
29) Benzo(a)anthracene	21.02	228	275221	1.933	ng		95
30) Chrysene	21.08	228	302022	2.183	ng		98
31) Indeno(1,2,3-cd)pyrene	25.23	276	116728	0.766	ng		99
33) Benzo(b)fluoranthene	22.53	252	252488	1.709	ng		100
34) Benzo(k)fluoranthene	22.53	252	252488	1.730	ng		100
35) Benzo(a)pyrene	23.06	252	206688	1.543	ng		99
36) Dibenzo(a,h)anthracene	25.24	278	36583	0.274	ng	#	88
37) Benzo(g,h,i)perylene	25.85	276	135438	0.985	ng		99

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

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081519\
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Acq On : 15 Aug 2019 19:09
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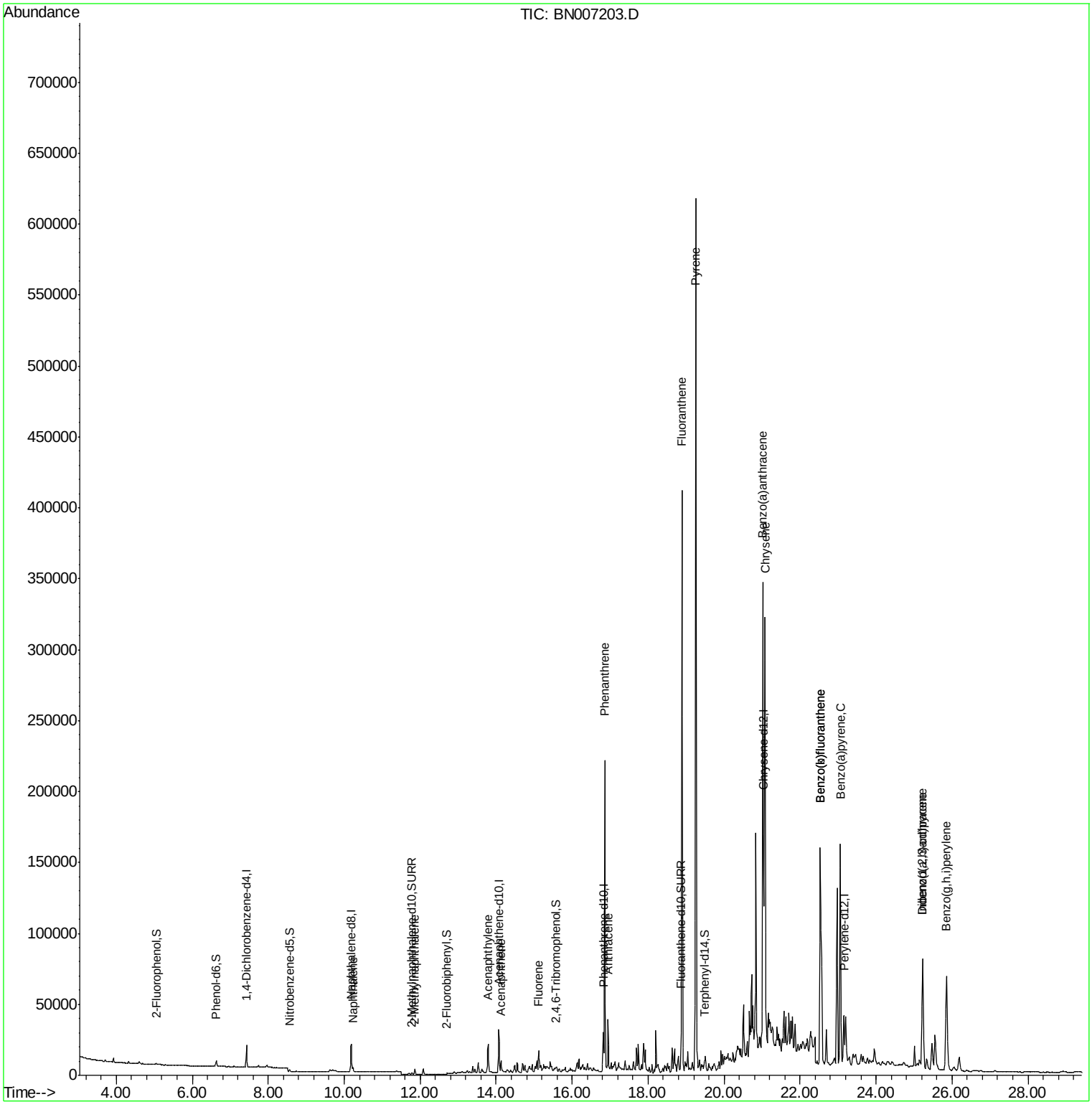
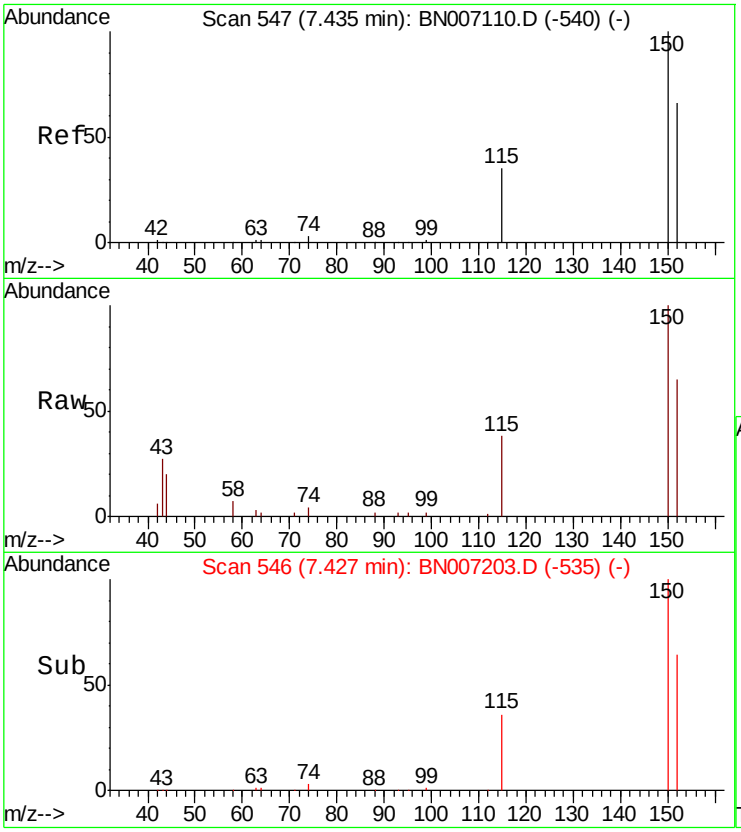
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Aug 16 07:05:52 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



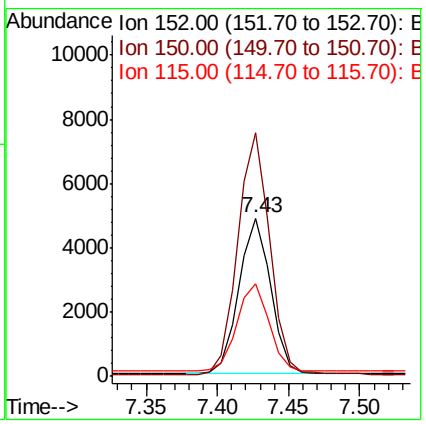


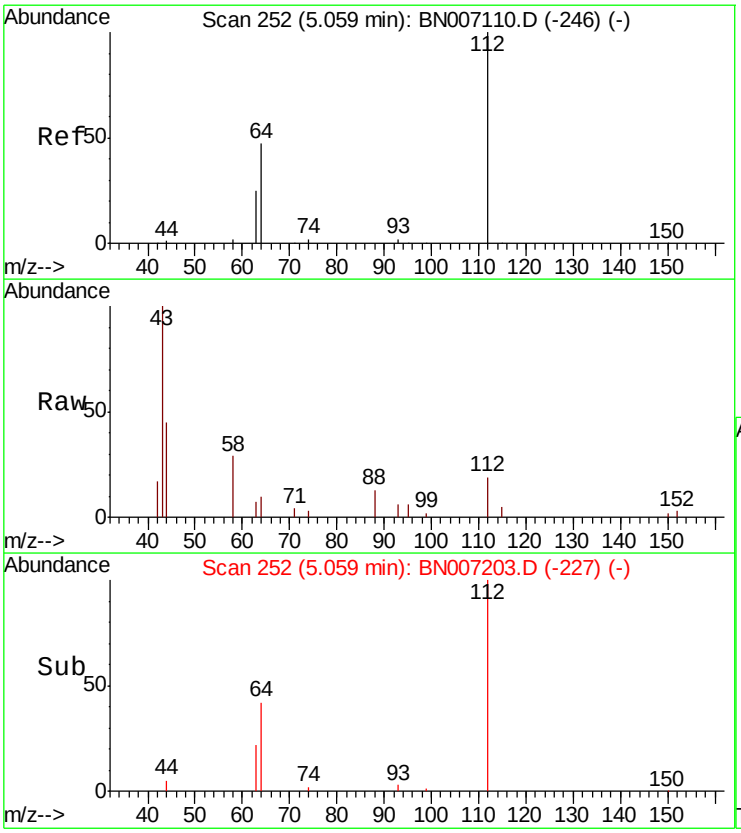
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 7420

Ion	Ratio	Lower	Upper
152	100		
150	153.7	121.7	182.5
115	58.7	46.2	69.4

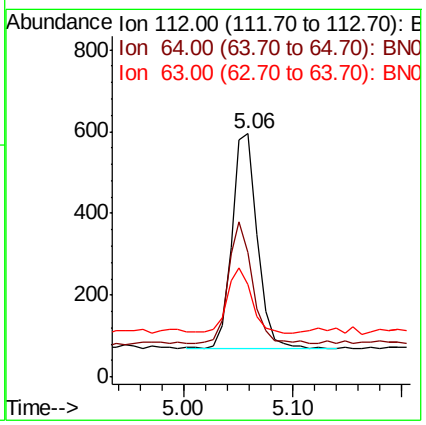


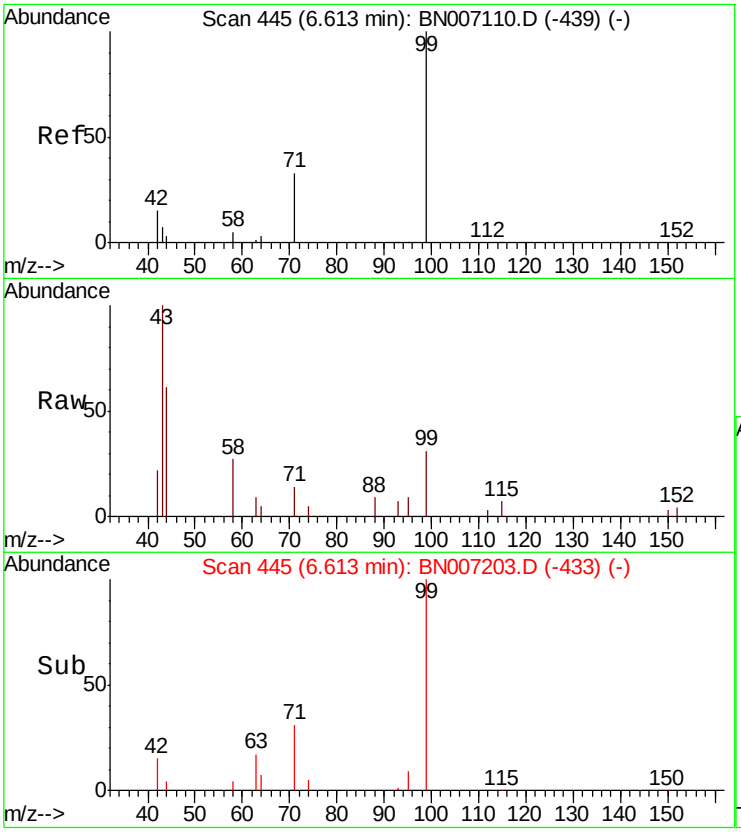


#3
2-Fluorophenol
Concen: 0.048 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Tgt Ion:112 Resp: 858

Ion	Ratio	Lower	Upper
112	100		
64	54.2	42.6	63.8
63	29.4	22.2	33.2



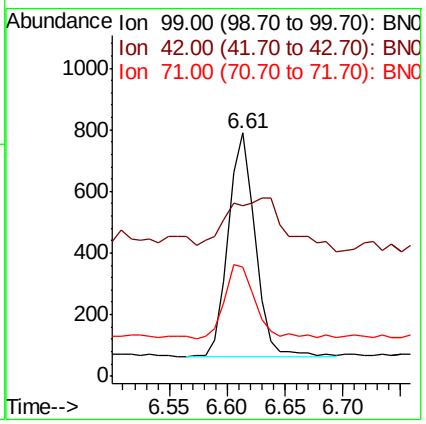


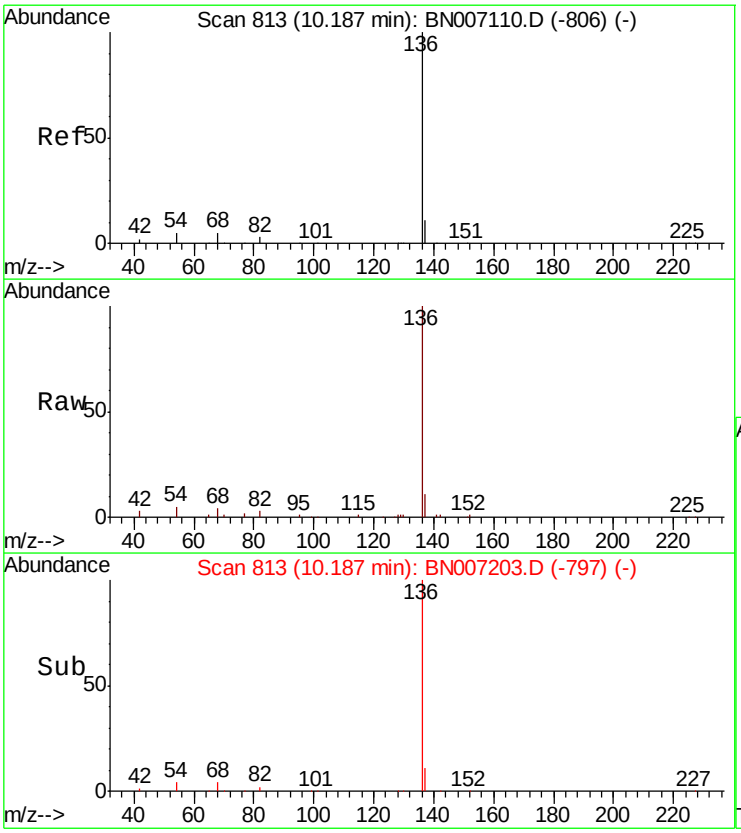
#4
Phenol-d6
Concen: 0.053 ng
RT: 6.61 min Scan# 445
Delta R.T. -0.00 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 99 Resp: 1179

Ion	Ratio	Lower	Upper
99	100		
42	0.0	15.8	23.6#
71	38.0	27.0	40.4

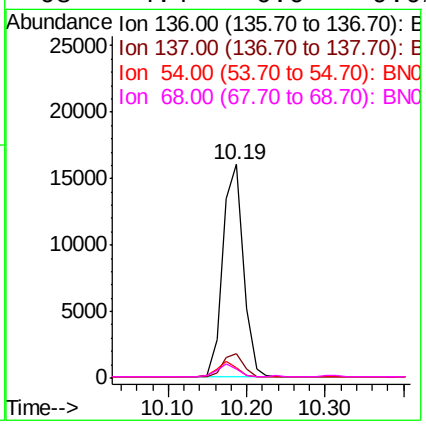


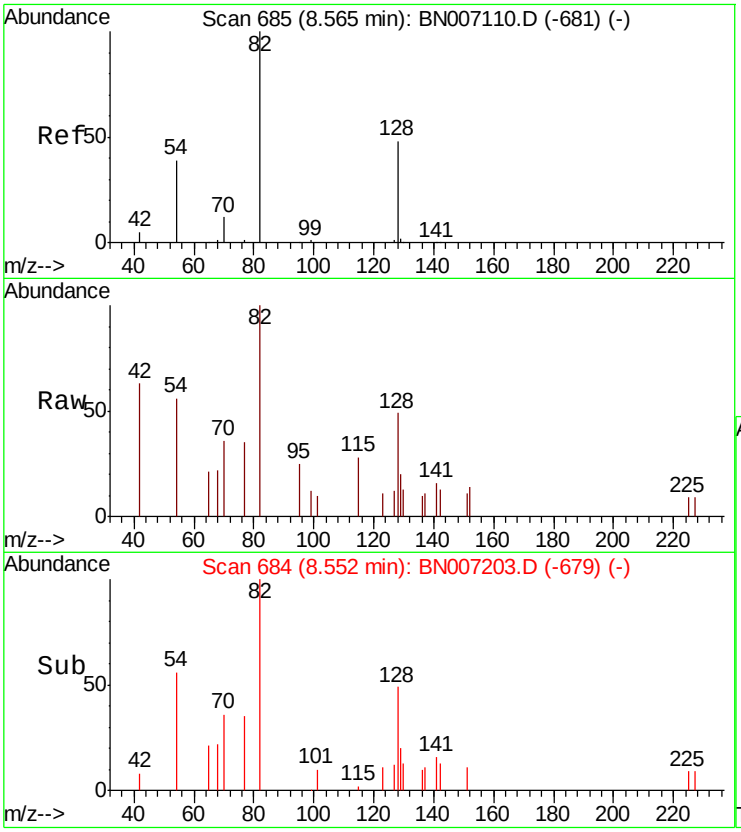


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Tgt Ion:136 Resp: 29267

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.4	14.0
54	4.5	6.6	9.8#
68	4.4	6.0	9.0#



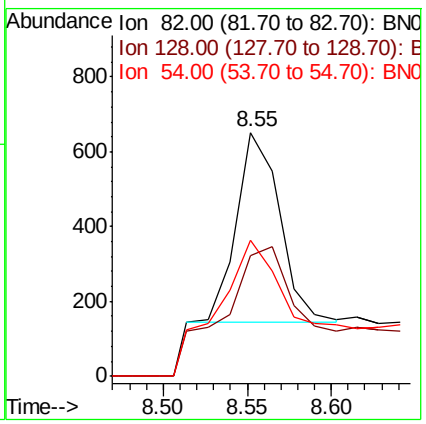


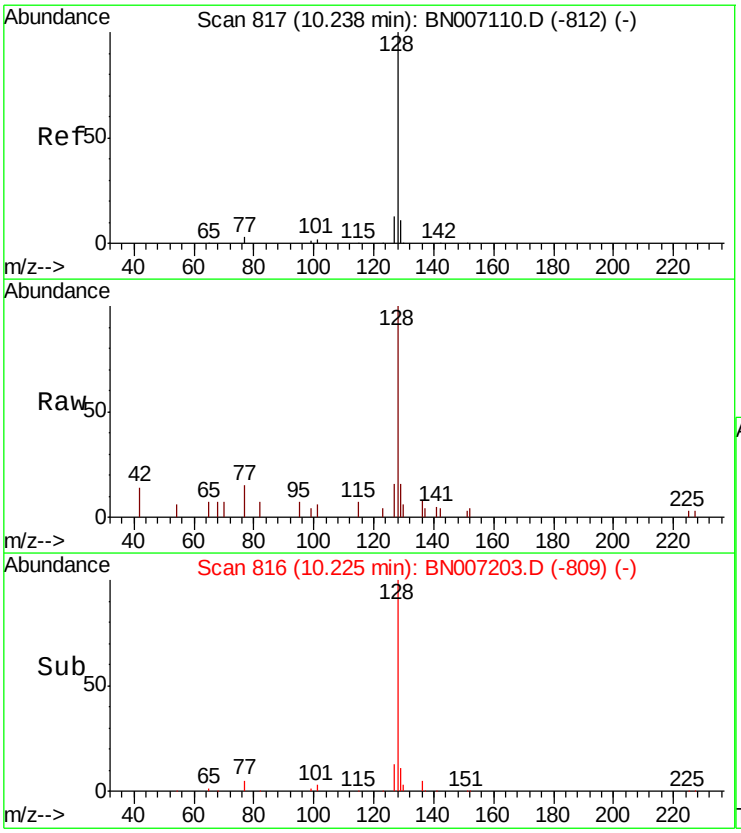
#7
Nitrobenzene-d5
Concen: 0.038 ng
RT: 8.55 min Scan# 684
Delta R.T. -0.01 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 82 Resp: 899

Ion	Ratio	Lower	Upper
82	100		
128	49.3	34.6	51.8
54	56.1	36.2	54.4#

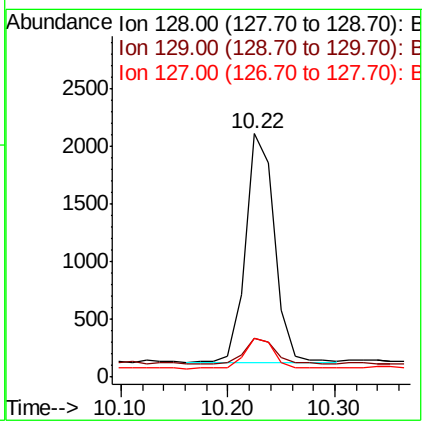


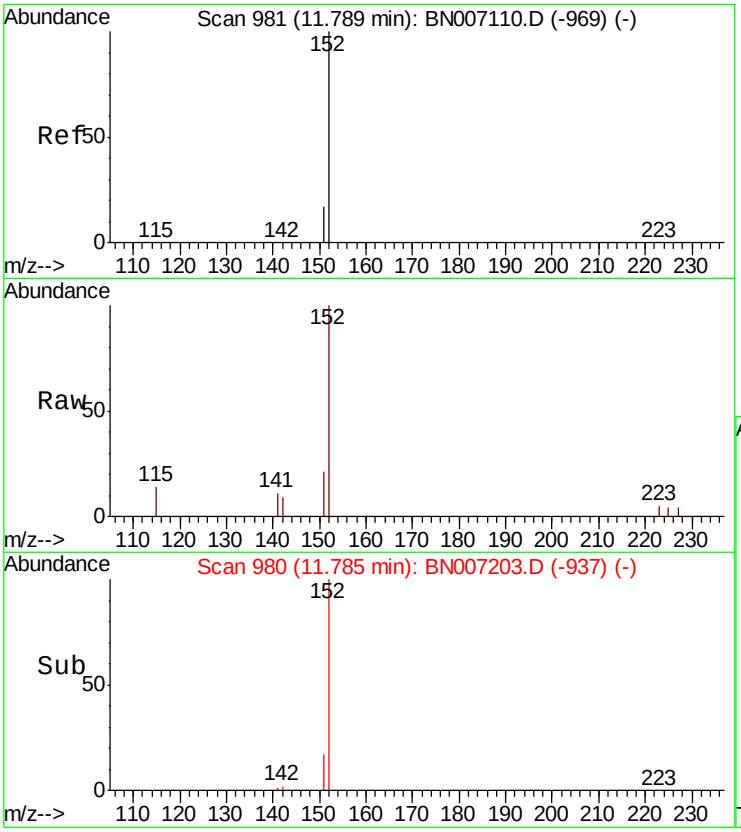


#8
Naphthalene
Concen: 0.045 ng
RT: 10.22 min Scan# 816
Delta R.T. -0.01 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Tgt Ion:128 Resp: 3699

Ion	Ratio	Lower	Upper
128	100		
129	16.1	9.4	14.2#
127	16.1	11.0	16.6



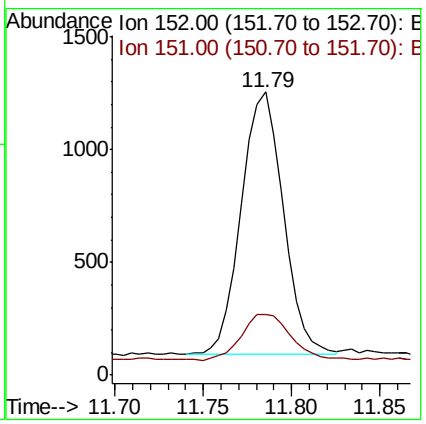


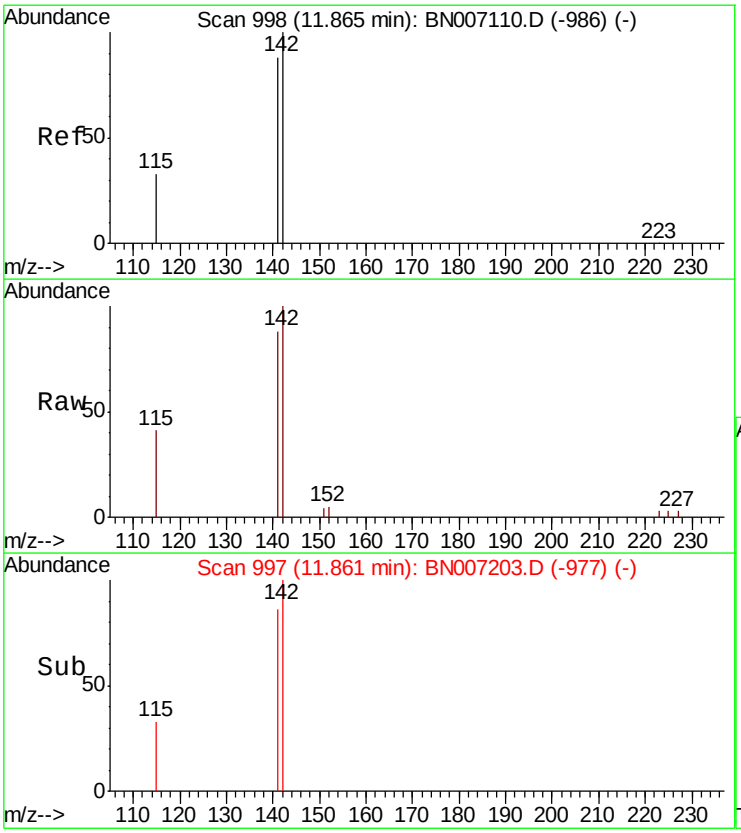
#10
2-Methylnaphthalene-d10
Concen: 0.035 ng
RT: 11.79 min Scan# 980
Delta R.T. -0.01 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 1923

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.5	23.3

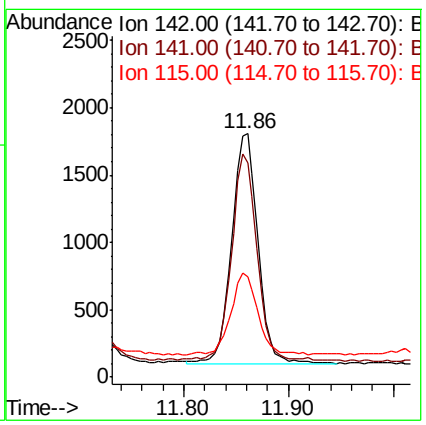


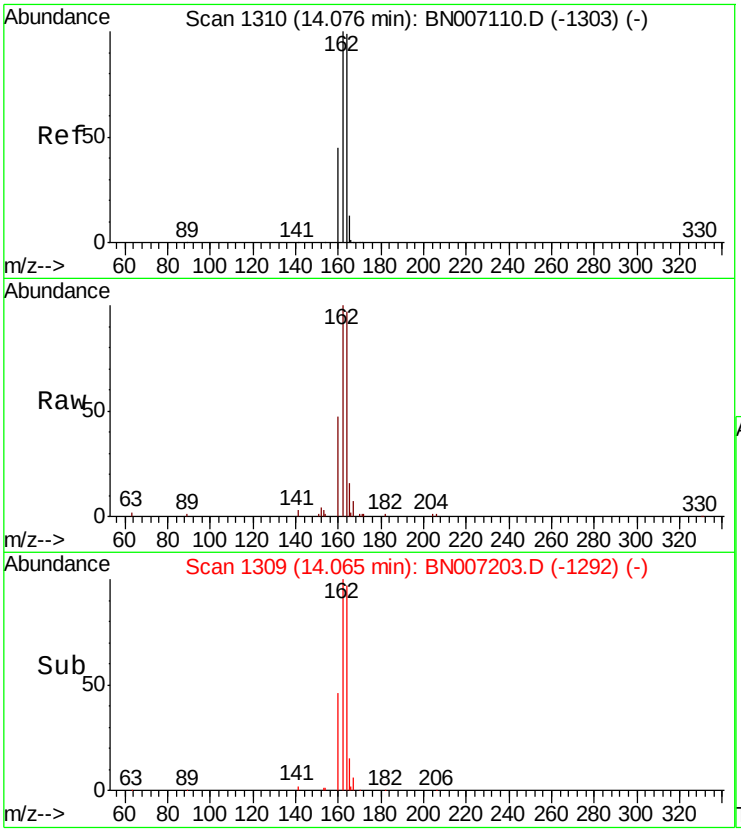


#11
2-Methylnaphthalene
Concen: 0.051 ng
RT: 11.86 min Scan# 997
Delta R.T. -0.01 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Tgt Ion:142 Resp: 2984

Ion	Ratio	Lower	Upper
142	100		
141	87.9	69.0	103.6
115	41.1	27.1	40.7#



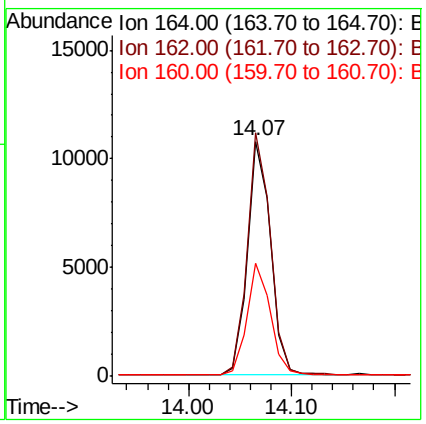


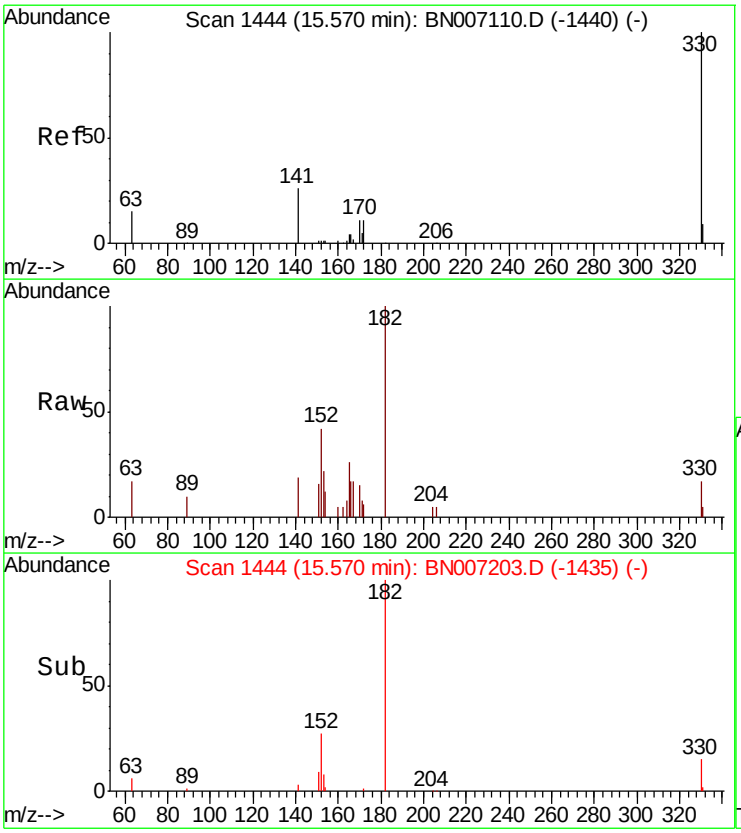
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:164 Resp: 16656

Ion	Ratio	Lower	Upper
164	100		
162	103.5	82.2	123.4
160	48.2	38.3	57.5

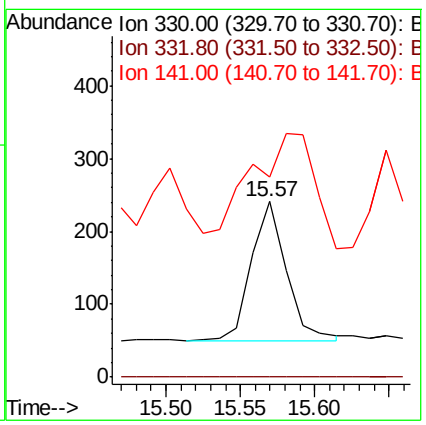


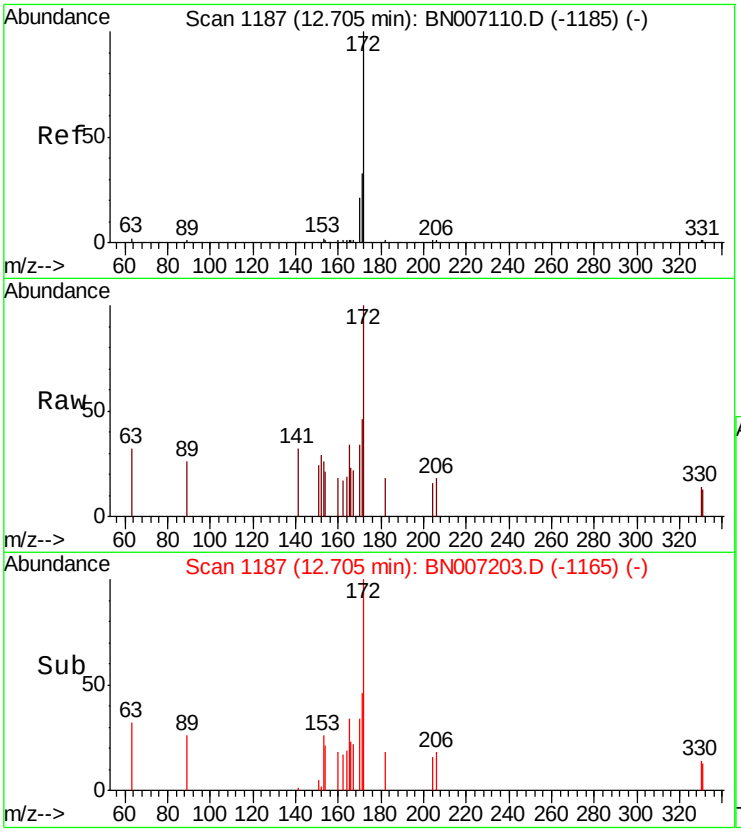


#13
2,4,6-Tribromophenol
Concen: 0.035 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Tgt Ion:330 Resp: 314

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	151.6	33.6	50.4#



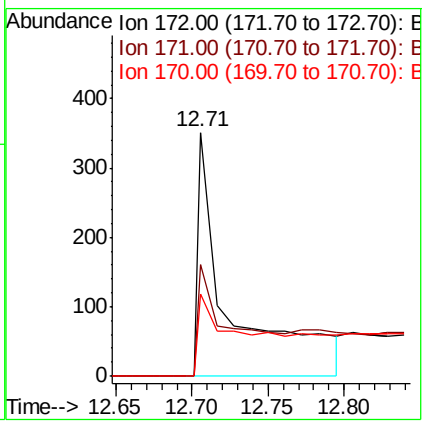


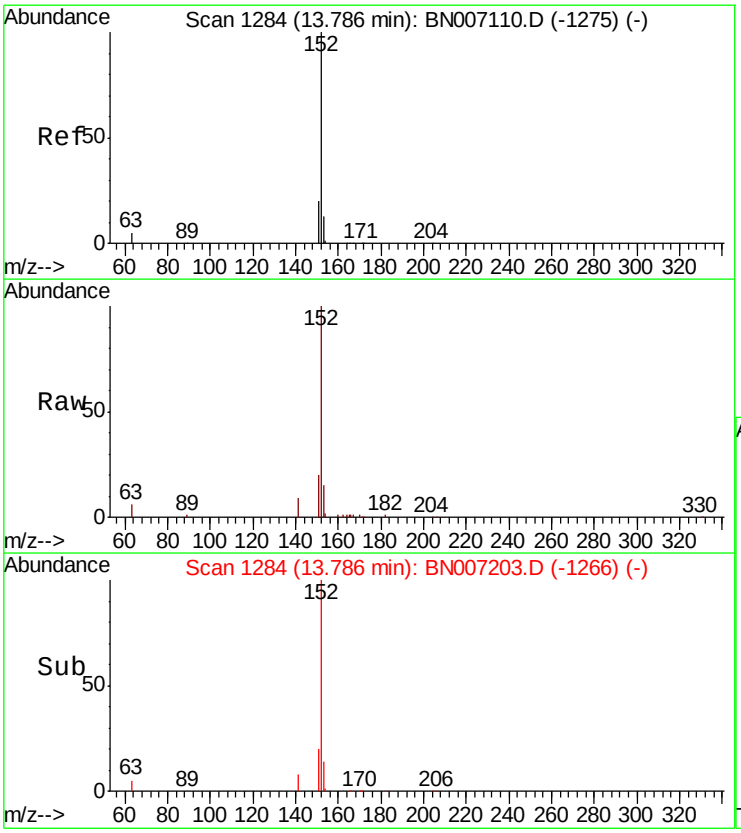
#14
2-Fluorobiphenyl
Concen: 0.022 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:172 Resp: 529

Ion	Ratio	Lower	Upper
172	100		
171	45.9	26.3	39.5#
170	33.9	17.0	25.4#

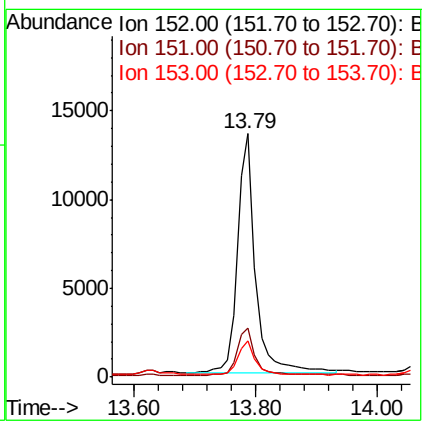


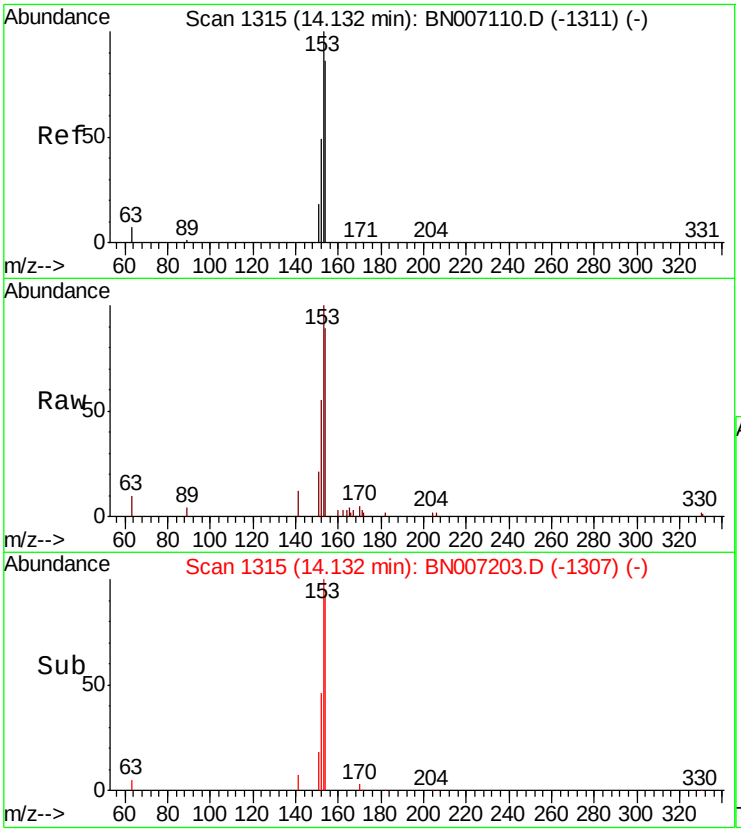


#15
Acenaphthylene
Concen: 0.314 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Tgt Ion:152 Resp: 27330

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	14.0	10.4	15.6



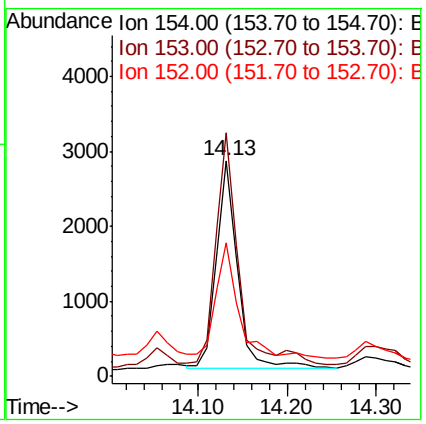


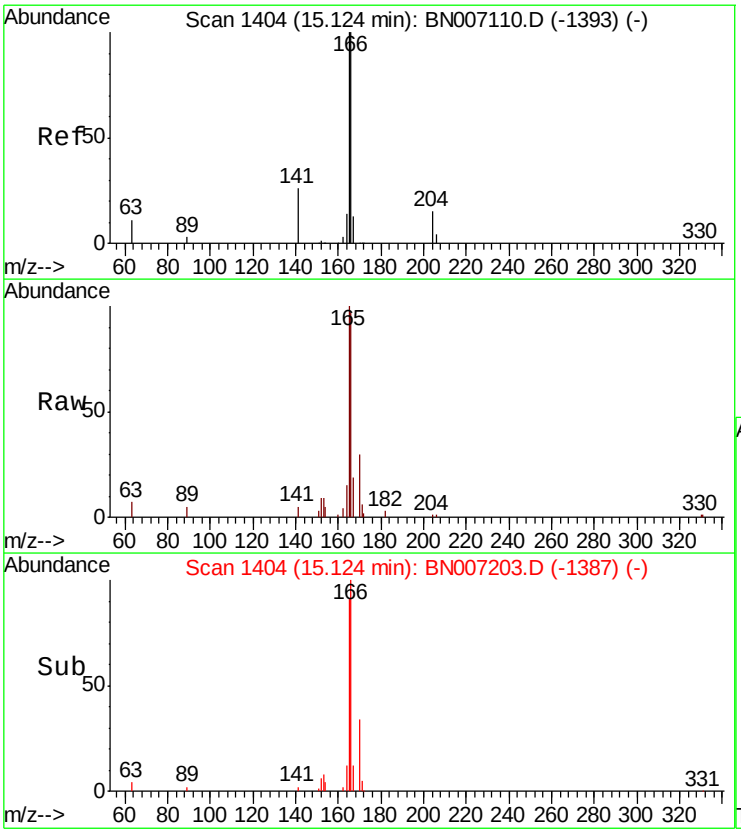
#16
Acenaphthene
Concen: 0.082 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:154 Resp: 4563

Ion	Ratio	Lower	Upper
154	100		
153	110.6	89.5	134.3
152	62.0	44.8	67.2

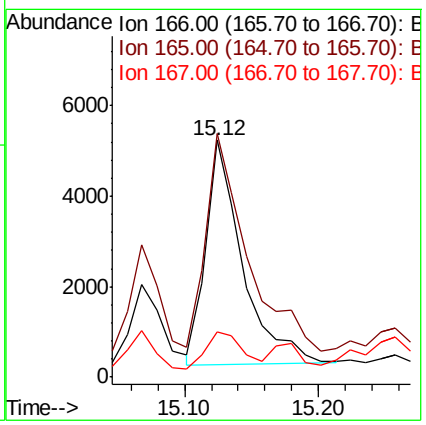


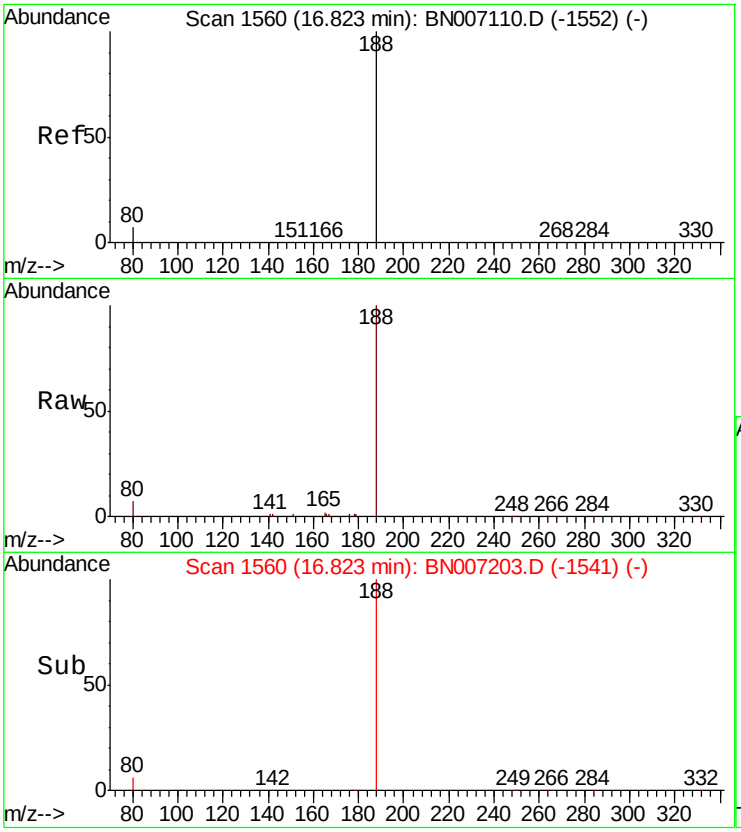


#17
Fluorene
Concen: 0.113 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Tgt Ion:166 Resp: 9396

Ion	Ratio	Lower	Upper
166	100		
165	111.7	77.9	116.9
167	16.0	10.9	16.3



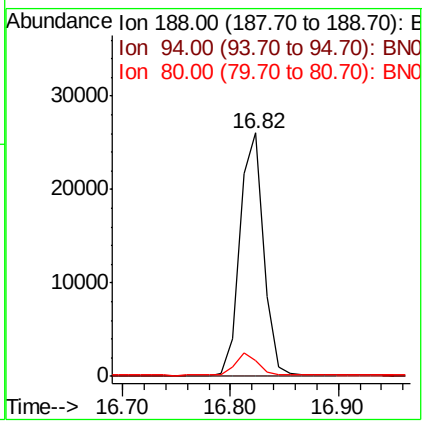


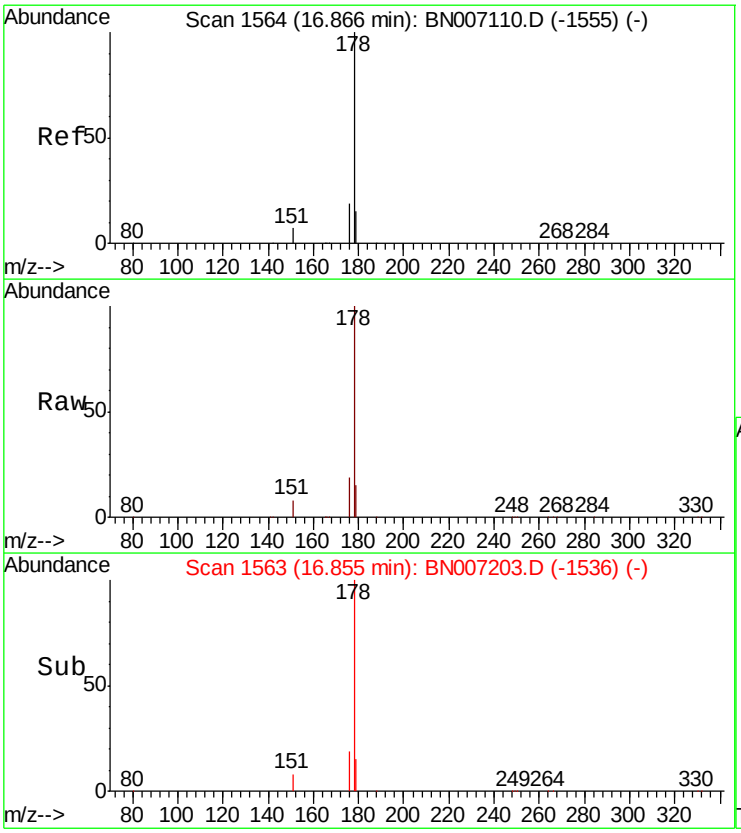
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:188 Resp: 39410

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.7	7.8	11.6#

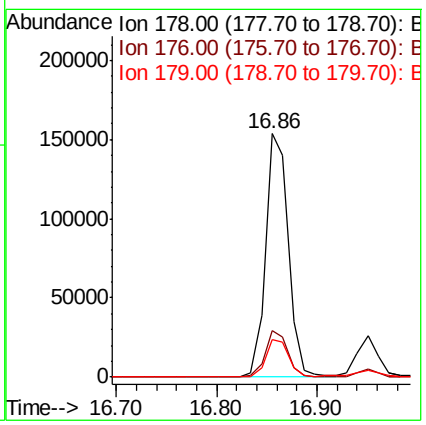


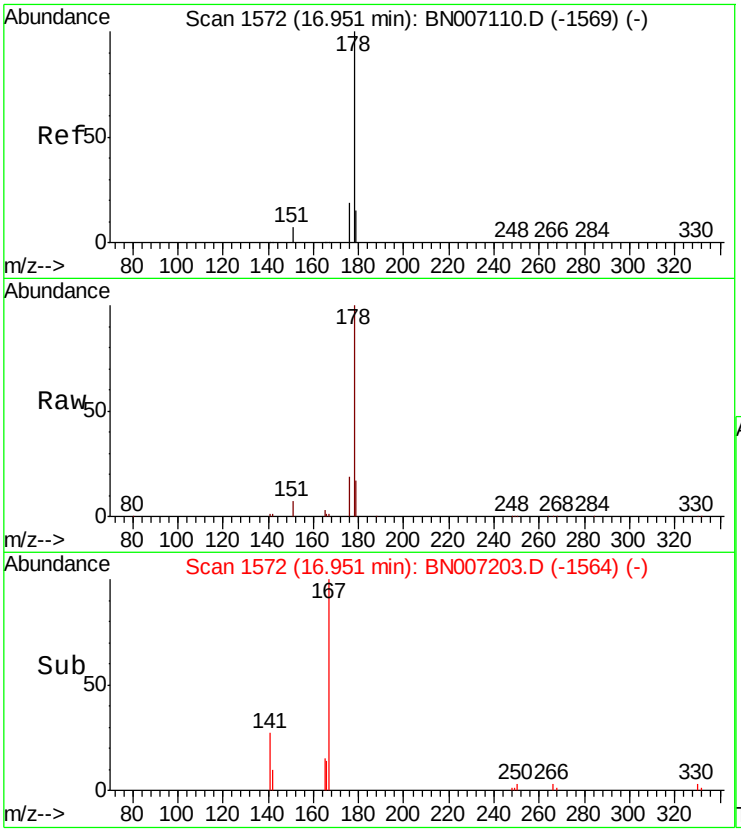


#22
Phenanthrene
Concen: 2.037 ng
RT: 16.86 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Tgt Ion:178 Resp: 240587

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.2	22.8
179	15.4	12.3	18.5



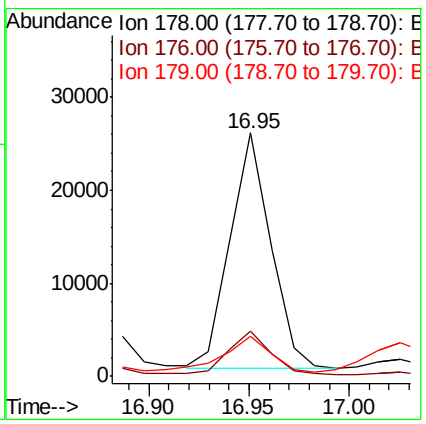


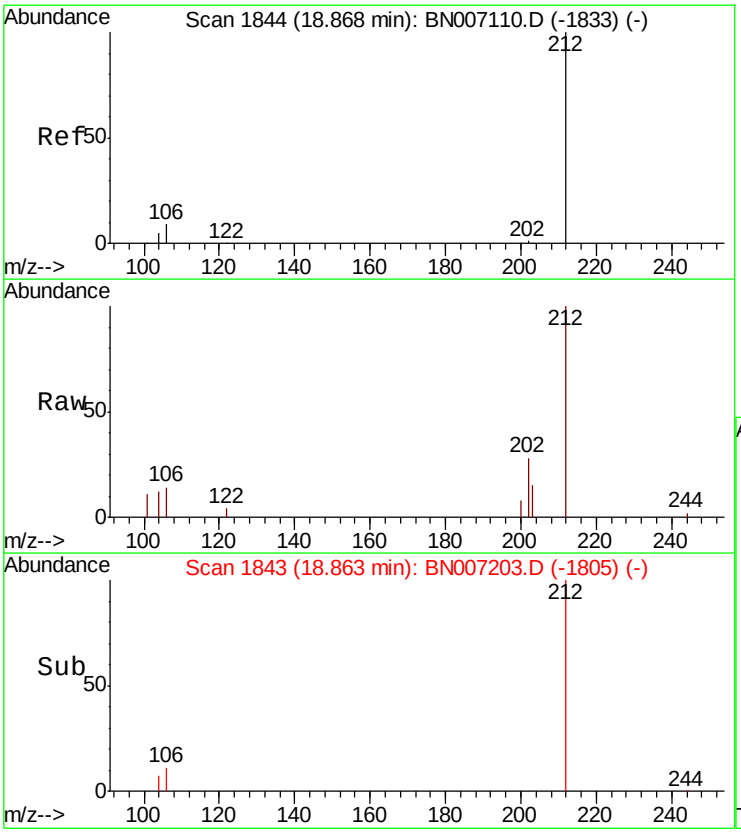
#23
Anthracene
Concen: 0.334 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 35998

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	17.2	12.5	18.7

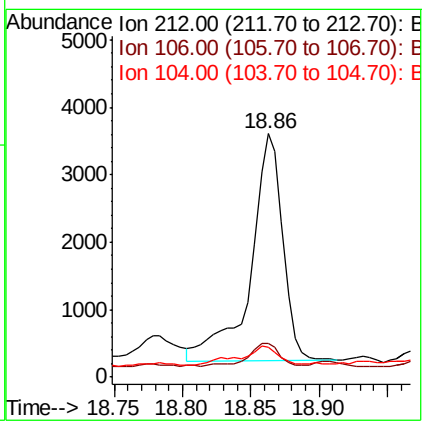


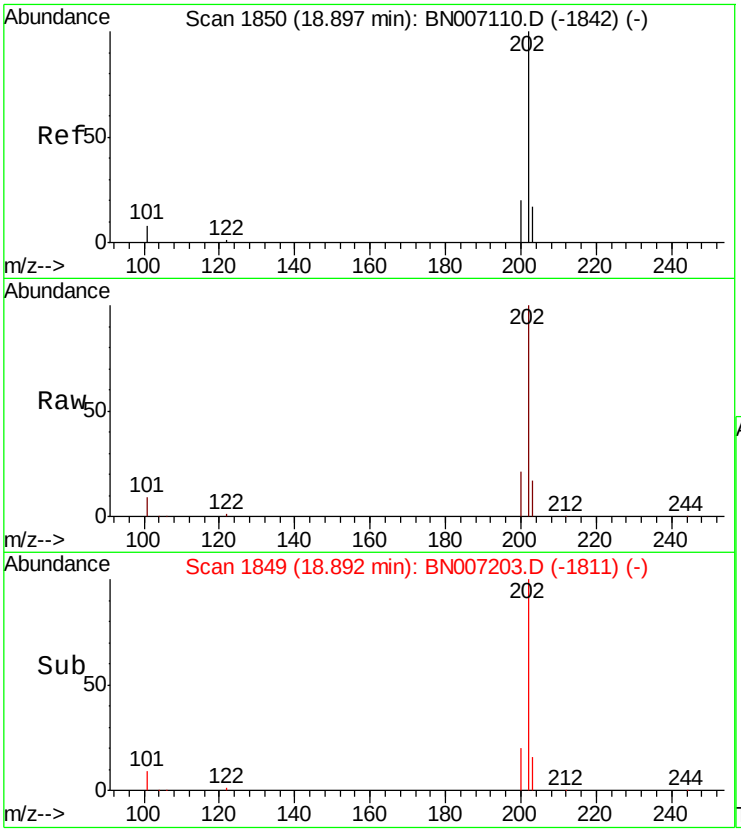


#24
Fluoranthene-d10
Concen: 0.040 ng
RT: 18.86 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Tgt Ion:212 Resp: 5539

Ion	Ratio	Lower	Upper
212	100		
106	9.7	8.2	12.2
104	10.3	4.5	6.7#



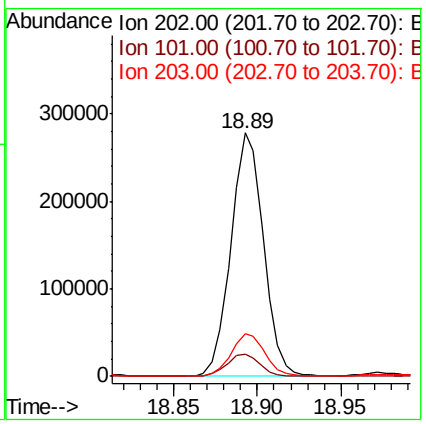


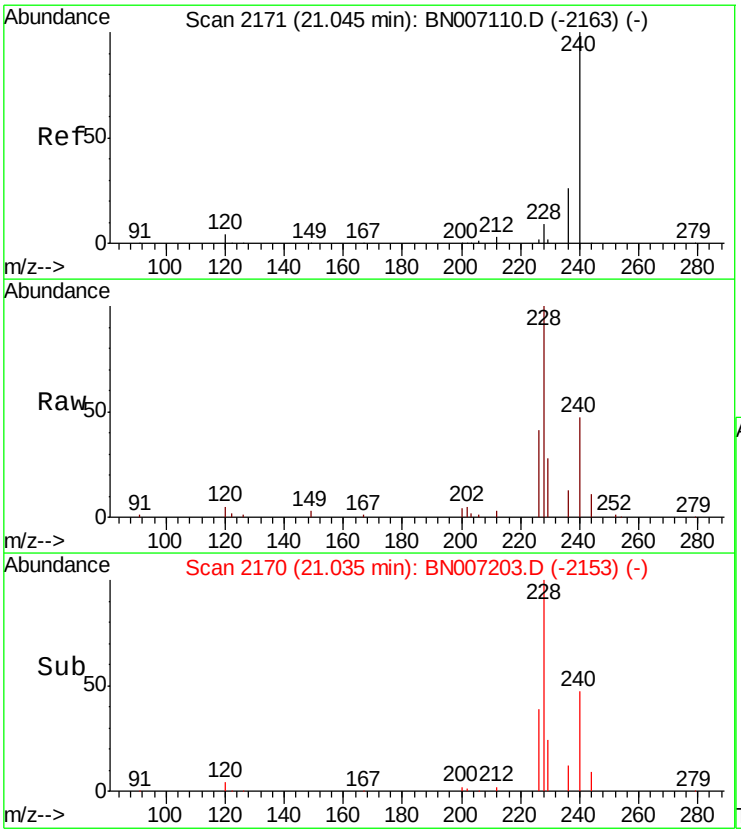
#25
Fluoranthene
Concen: 2.484 ng
RT: 18.89 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:202 Resp: 375327

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.0	10.4
203	17.8	13.8	20.8

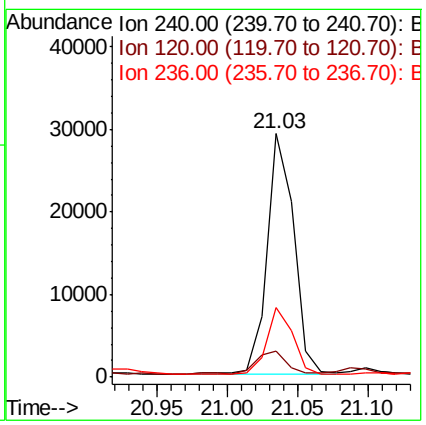


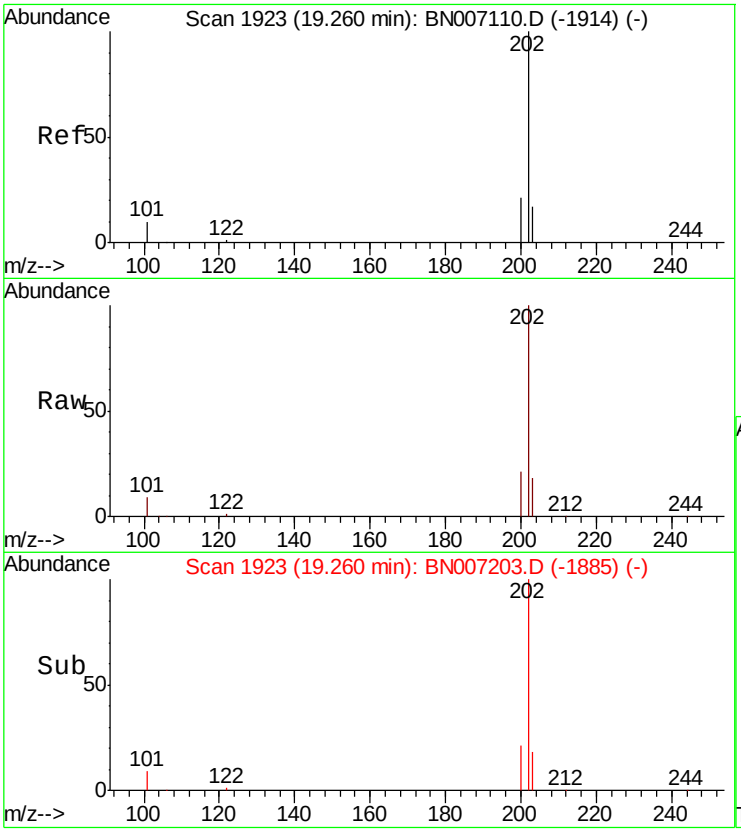


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Tgt Ion:240 Resp: 38932

Ion	Ratio	Lower	Upper
240	100		
120	10.7	4.0	6.0#
236	28.3	21.3	31.9



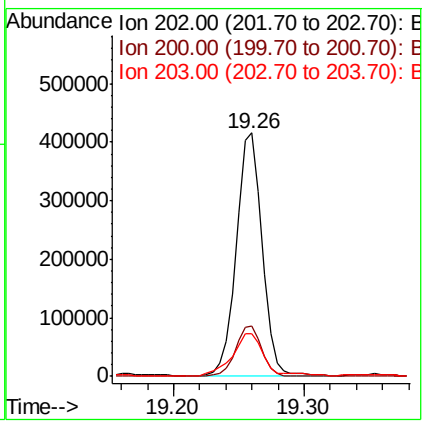


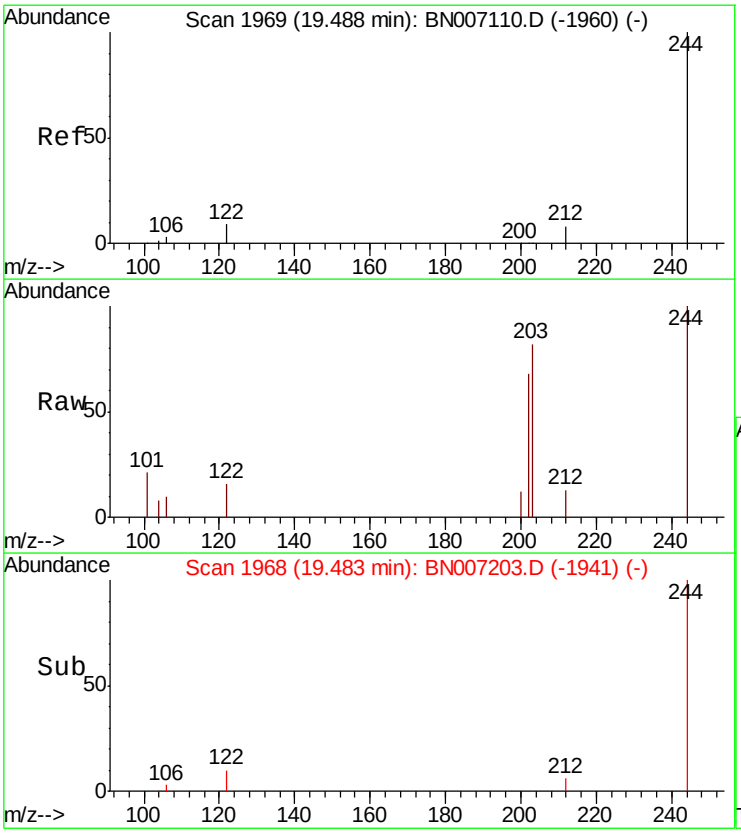
#27
Pyrene
Concen: 4.223 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:202 Resp: 576595

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	20.1	14.0	21.0

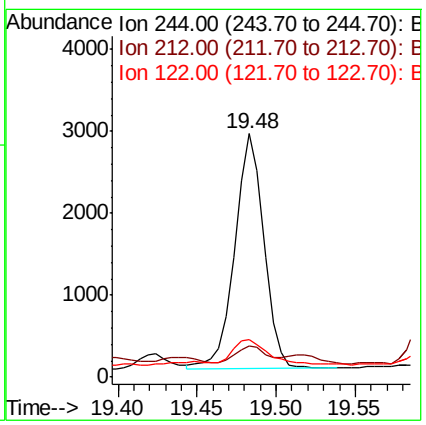


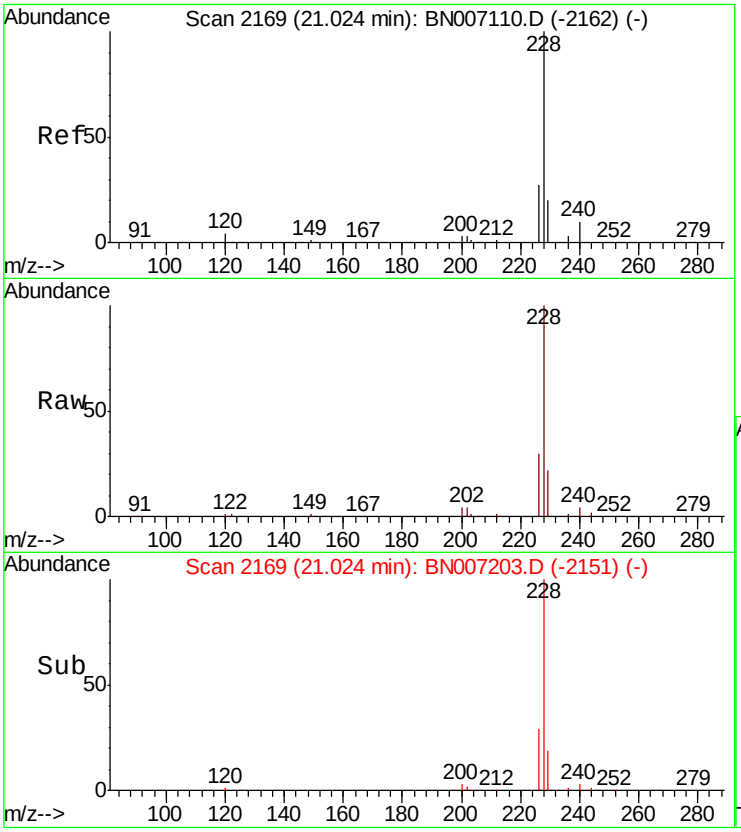


#28
Terphenyl-d14
Concen: 0.034 ng
RT: 19.48 min Scan# 1968
Delta R.T. -0.02 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Tgt Ion:244 Resp: 3646

Ion	Ratio	Lower	Upper
244	100		
212	12.9	6.2	9.2#
122	15.5	7.4	11.2#



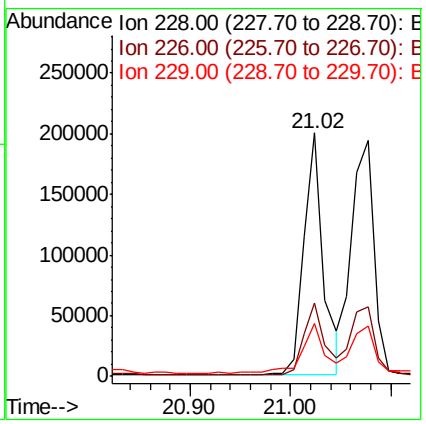


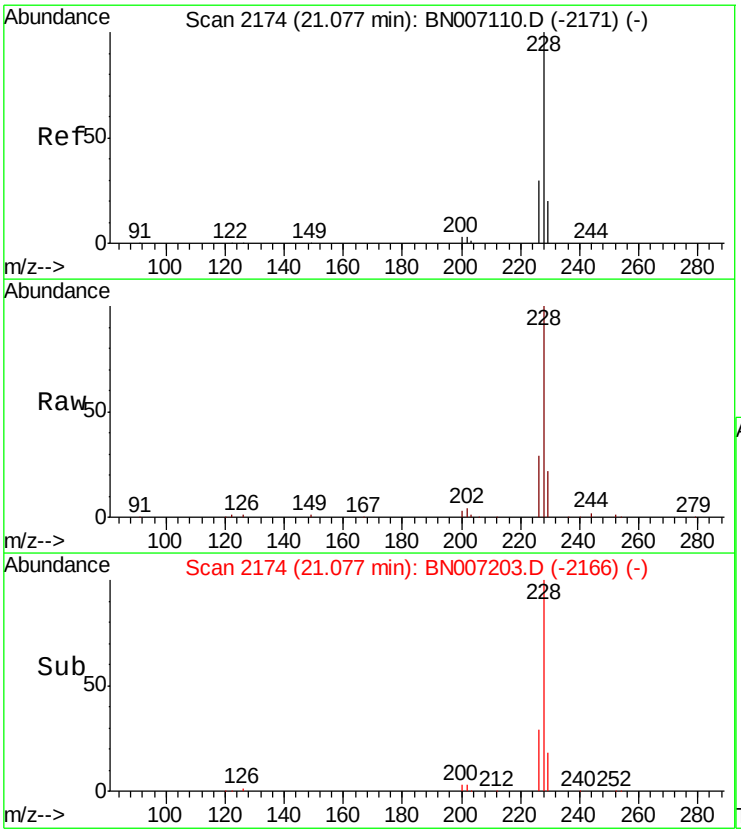
#29
Benzo(a)anthracene
Concen: 1.933 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 275221

Ion	Ratio	Lower	Upper
228	100		
226	30.2	21.8	32.6
229	21.7	15.6	23.4

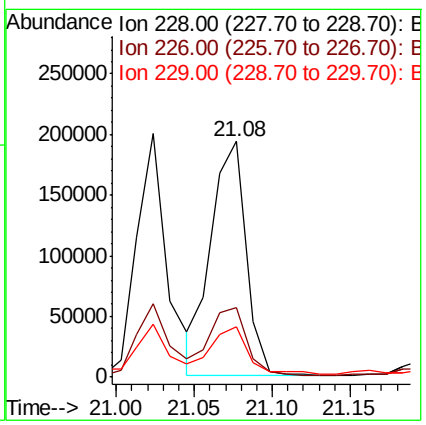


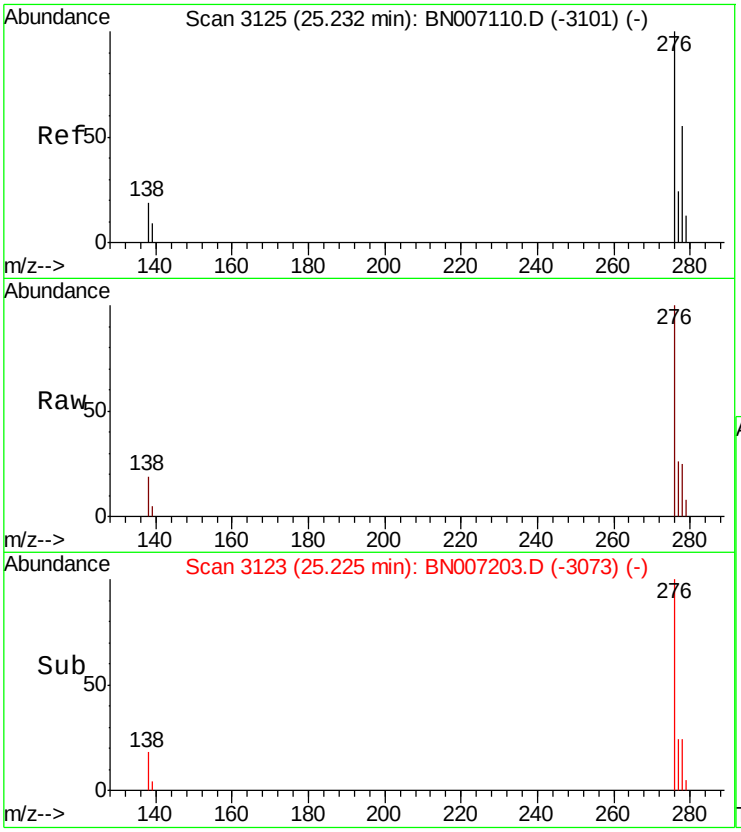


#30
Chrysene
Concen: 2.183 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Tgt Ion:228 Resp: 302022

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.8	35.6
229	21.5	15.7	23.5



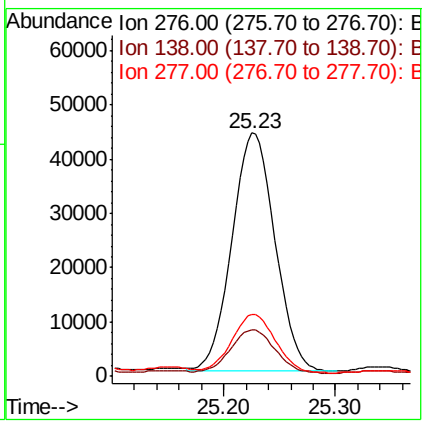


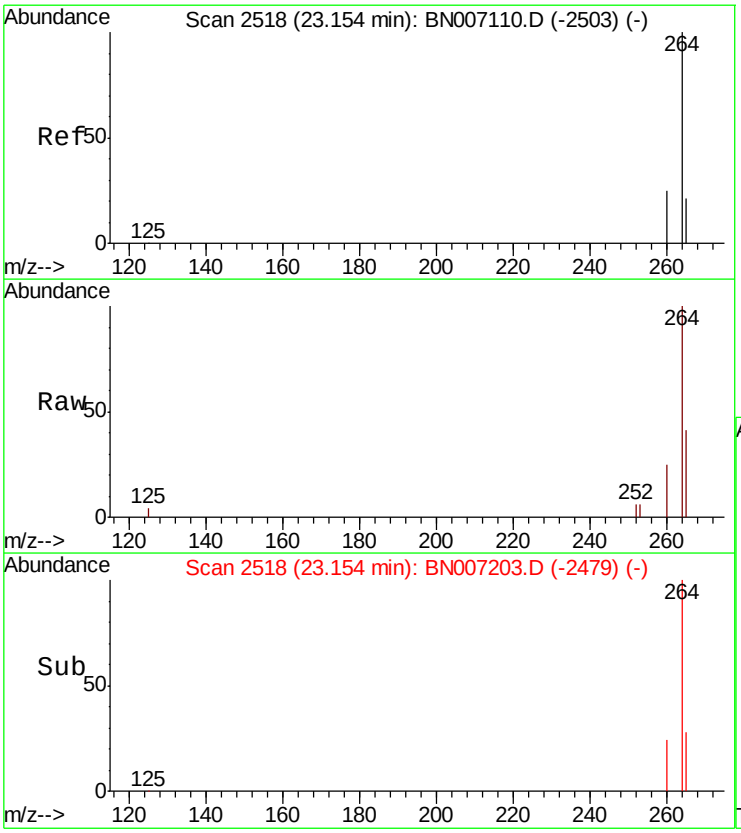
#31
Indeno(1,2,3-cd)pyrene
Concen: 0.766 ng
RT: 25.23 min Scan# 3123
Delta R.T. -0.03 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 116728

Ion	Ratio	Lower	Upper
276	100		
138	19.0	16.0	24.0
277	25.0	19.9	29.9

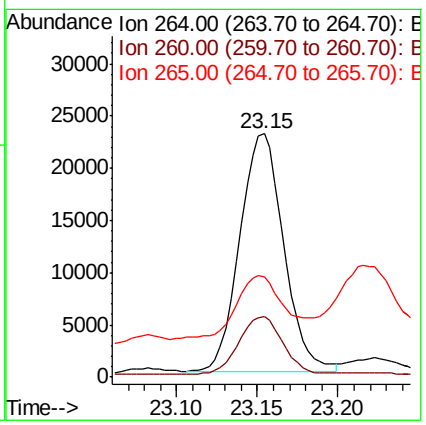


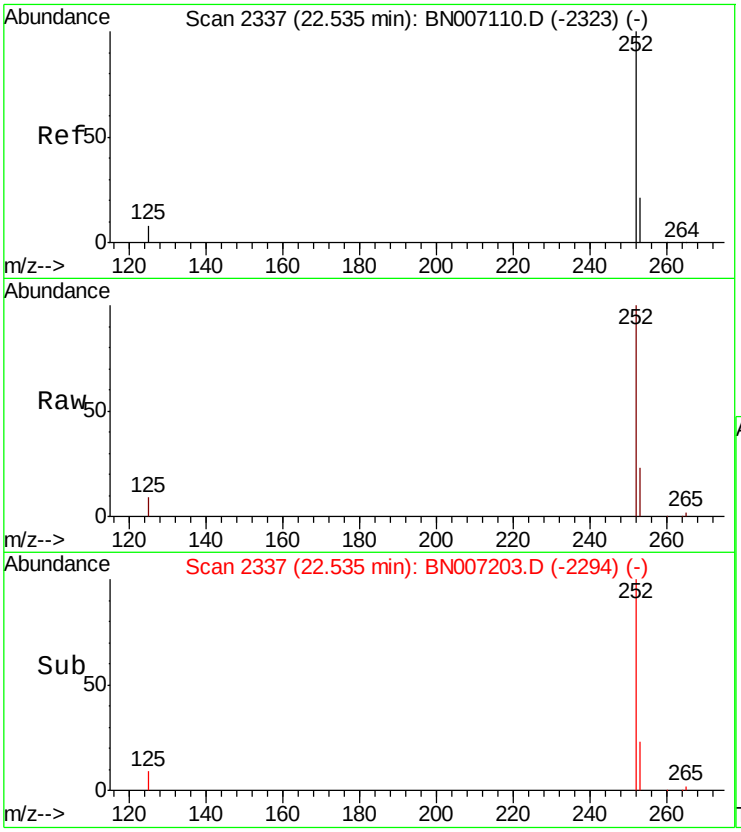


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.15 min Scan# 2518
Delta R.T. -0.02 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Tgt Ion:264 Resp: 43089

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.8	29.8
265	41.0	26.2	39.4#



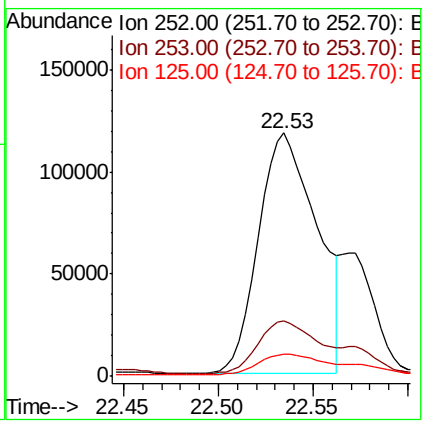


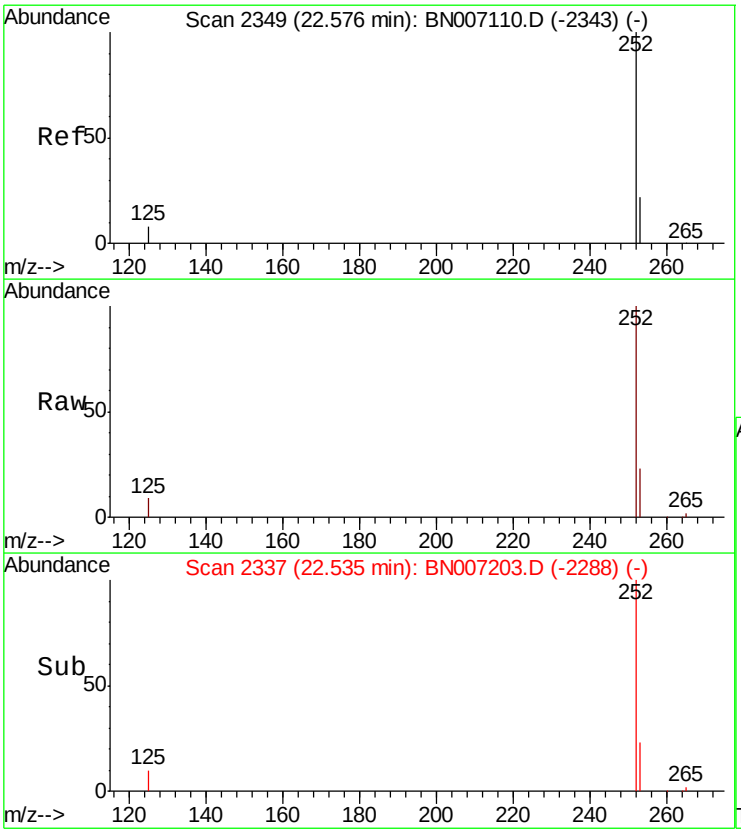
#33
Benzo(b)fluoranthene
Concen: 1.709 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 252488

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	9.4	7.4	11.0

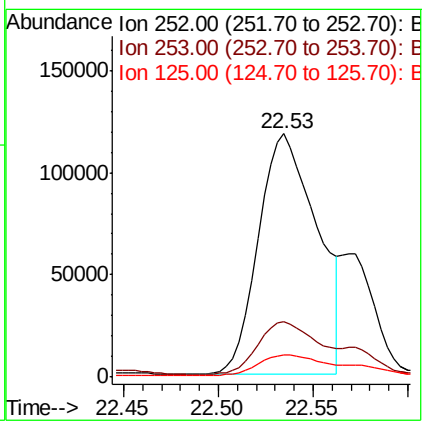


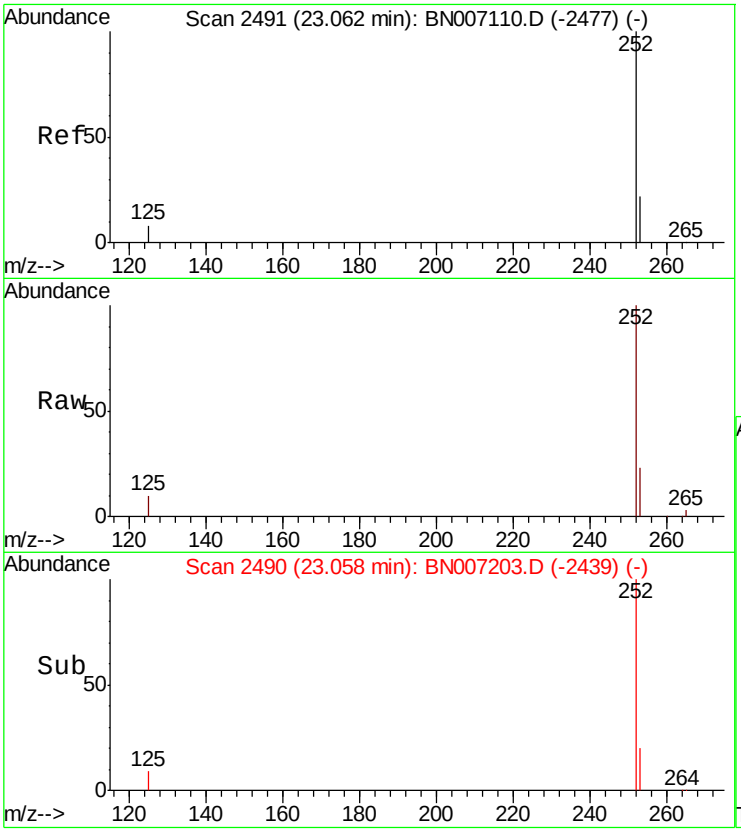


#34
Benzo(k)fluoranthene
Concen: 1.730 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.05 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Tgt Ion:252 Resp: 252488

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	9.4	7.4	11.0



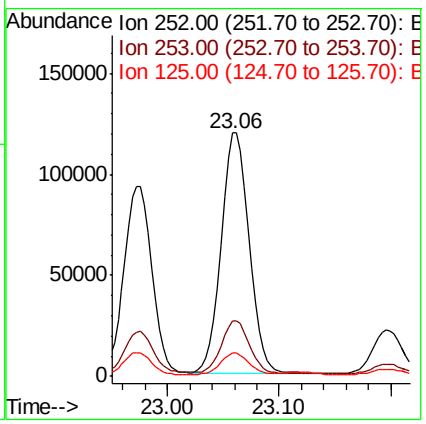


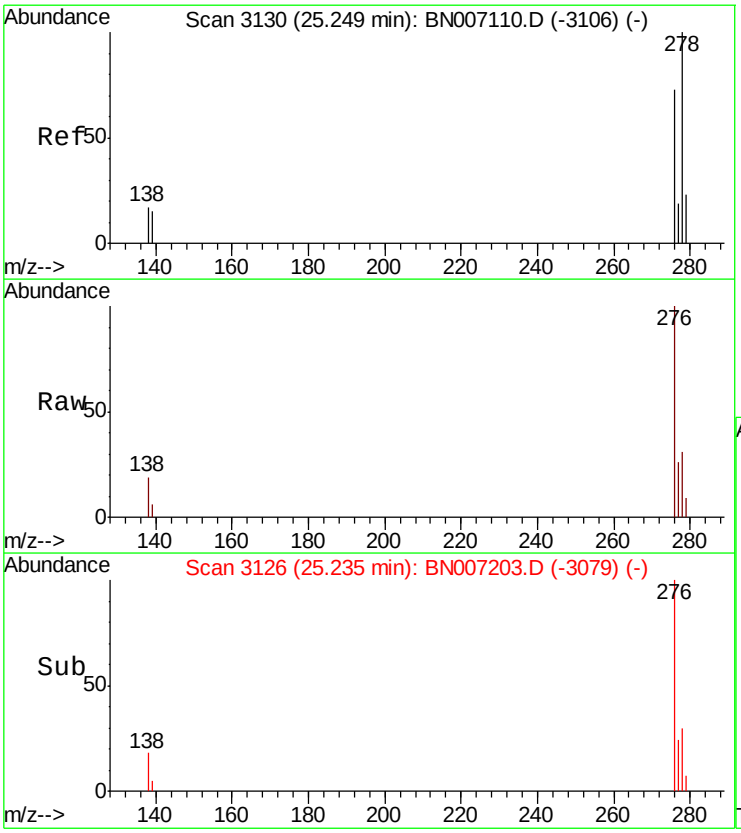
#35
Benzo(a)pyrene
Concen: 1.543 ng
RT: 23.06 min Scan# 2490
Delta R.T. -0.02 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 206688

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.5	27.7
125	9.5	8.2	12.4

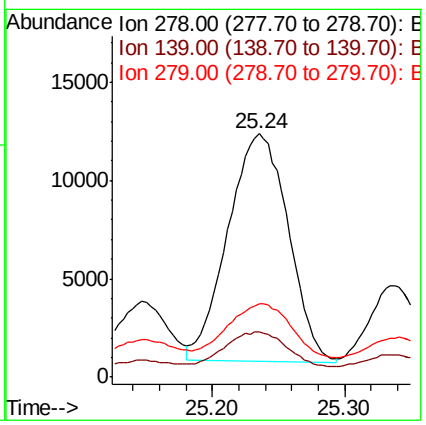


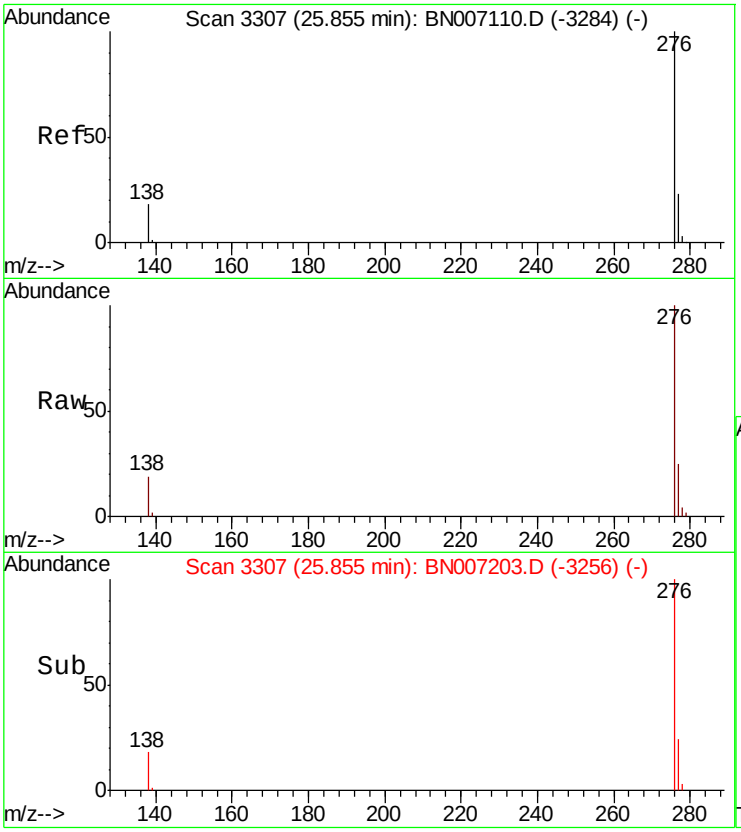


#36
Dibenzo(a,h)anthracene
Concen: 0.274 ng
RT: 25.24 min Scan# 3126
Delta R.T. -0.04 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Tgt Ion:278 Resp: 36583

Ion	Ratio	Lower	Upper
278	100		
139	18.4	11.3	16.9#
279	30.3	19.3	28.9#





#37
Benzo(g,h,i)perylene
Concen: 0.985 ng
RT: 25.85 min Scan# 3307
Delta R.T. -0.02 min
Lab File: BN007203.D
Acq: 15 Aug 2019 19:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 135438

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.8	29.8
138	19.2	14.6	22.0