Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081519\
Data File : BN007202.D
Acq On : 15 Aug 2019 18:33
Operator : HP/JU
Sample : K4239-02 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId :

Quant Time: Aug 16 07:05:38 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	7358	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	28573	0.40	ng		0.00
12) Acenaphthene-d10	14.07	164	16578	0.40	ng		-0.01
18) Phenanthrene-d10	16.82	188	38930	0.40	ng		0.00
26) Chrysene-d12	21.05	240	38927	0.40	ng		-0.01
32) Perylene-d12	23.15	264	43125	0.40	ng		-0.02
System Monitoring Compounds							
3) 2-Fluorophenol	5.05	112	770	0.04	ng		0.00
4) Phenol-d6	6.61	99	976	0.04	ng		0.00
7) Nitrobenzene-d5	8.55	82	836	0.04	ng		-0.01
10) 2-Methylnaphthalene-d10	11.78	152	1700	0.03	ng		-0.01
13) 2,4,6-Tribromophenol	15.57	330	302	0.03	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	401	0.02	ng		0.00
24) Fluoranthene-d10	18.86	212	3878	0.03	ng		-0.01
28) Terphenyl-d14	19.48	244	3536	0.03	ng		-0.02
Target Compounds							Qvalue
8) Naphthalene	10.22	128	8477	0.106	ng		97
11) 2-Methylnaphthalene	11.86	142	11090	0.195	ng		98
15) Acenaphthylene	13.79	152	43509	0.502	ng	#	97
16) Acenaphthene	14.13	154	12874	0.232	ng		91
17) Fluorene	15.12	166	28777	0.346	ng	#	91
22) Phenanthrene	16.87	178	740041	6.343	ng		100
23) Anthracene	16.95	178	72416	0.679	ng		98
25) Fluoranthene	18.89	202	619545	4.151	ng		98
27) Pyrene	19.26	202	1083061	7.934	ng		97
29) Benzo(a)anthracene	21.02	228	407881	2.865	ng		94
30) Chrysene	21.08	228	479259	3.465	ng		98
31) Indeno(1,2,3-cd)pyrene	25.23	276	175248	1.150	ng		99
33) Benzo(b)fluoranthene	22.53	252	469316	3.174	ng		100
34) Benzo(k)fluoranthene	22.53	252	469598	3.215	ng		99
35) Benzo(a)pyrene	23.06	252	321200	2.396	ng		99
36) Dibenzo(a,h)anthracene	25.24	278	56207	0.420	ng	#	88
37) Benzo(g,h,i)perylene	25.86	276	222575	1.618	ng		99

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

Quantitation Report (Not Reviewed)

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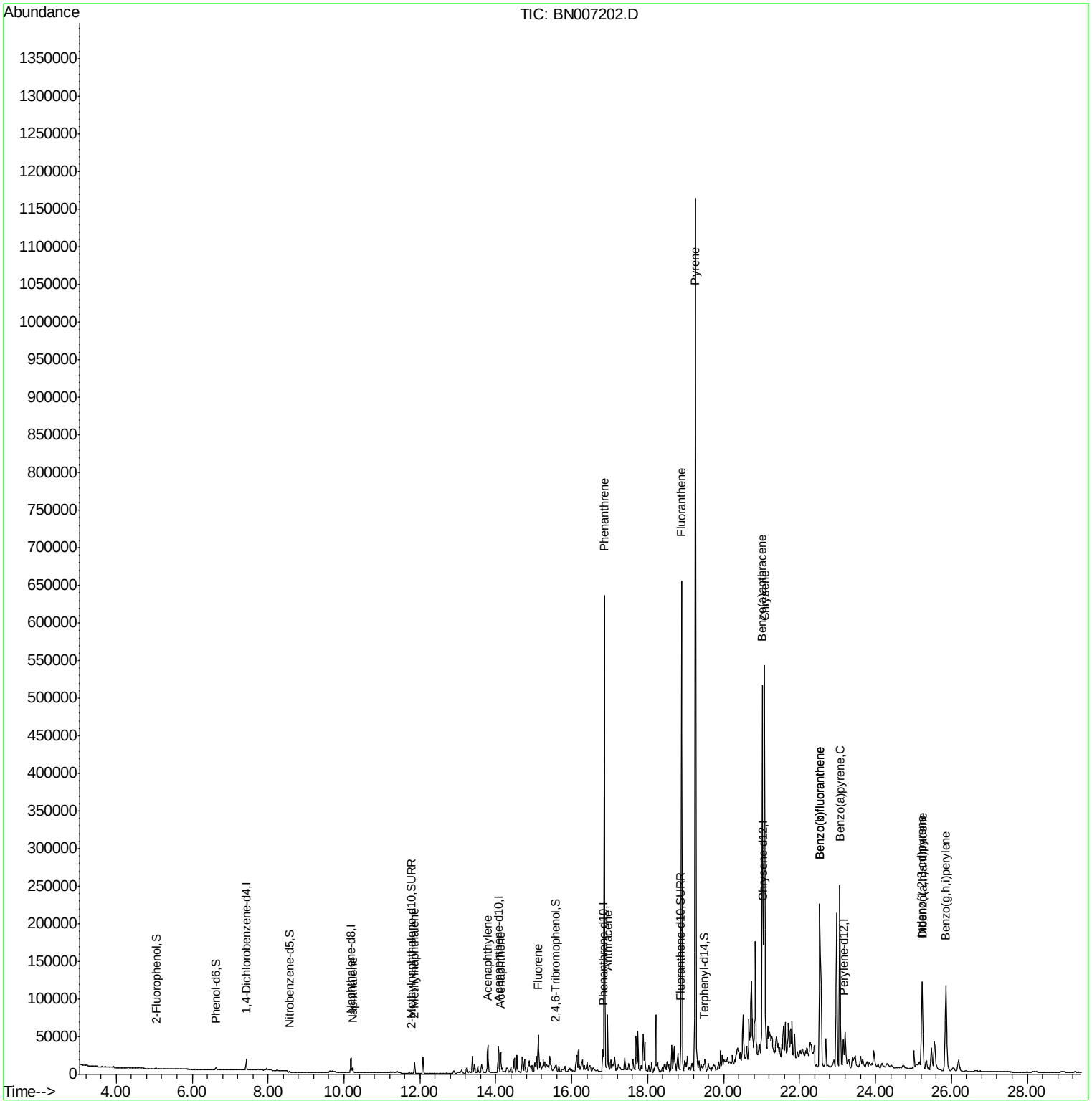
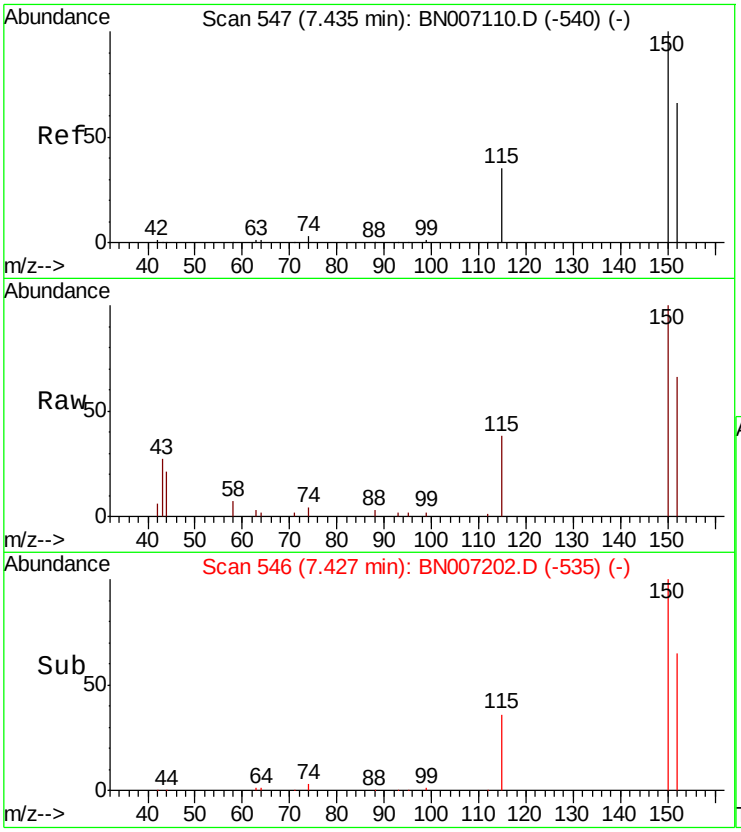
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration



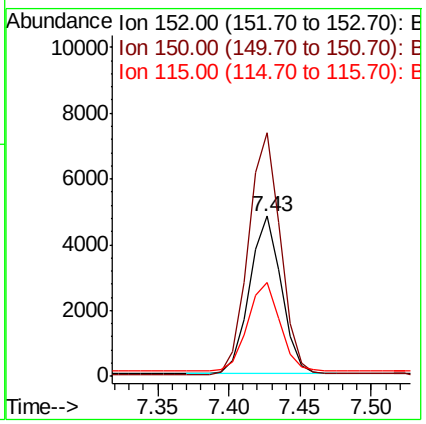


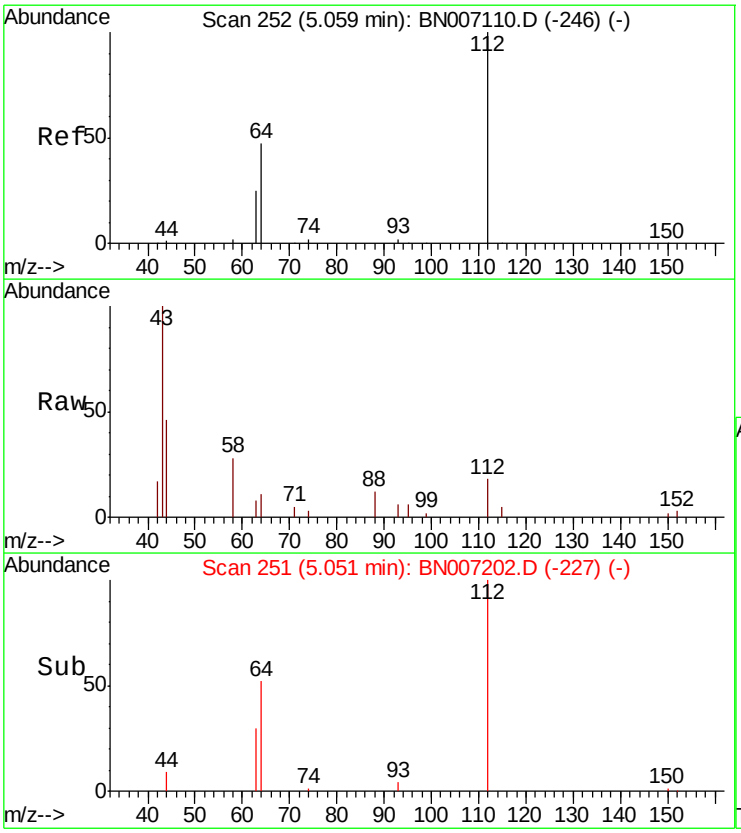
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 7358

Ion	Ratio	Lower	Upper
152	100		
150	152.2	121.7	182.5
115	58.6	46.2	69.4

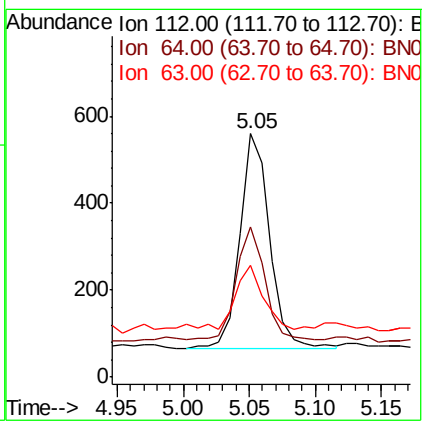


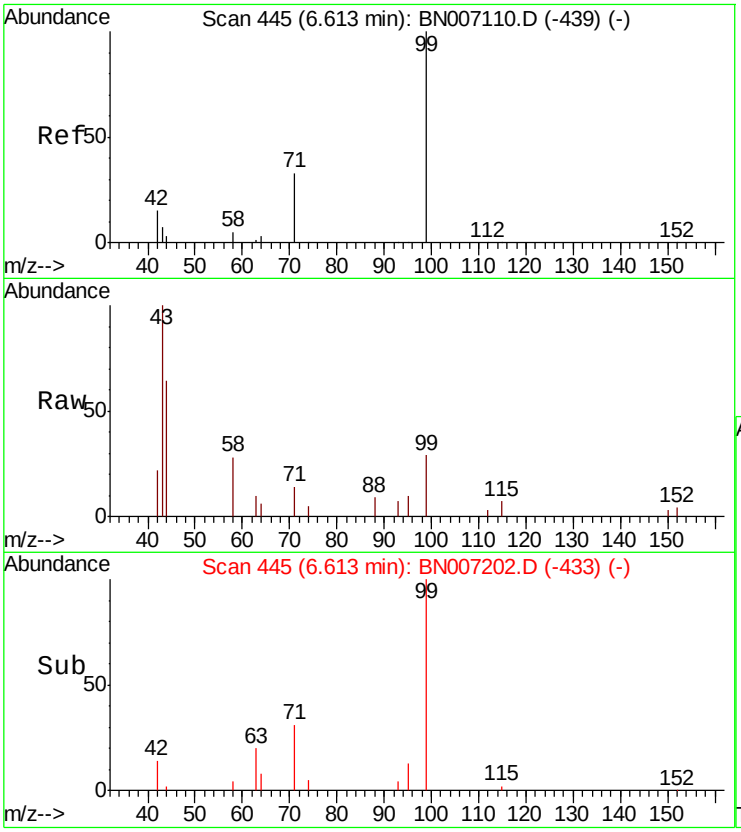


#3
2-Fluorophenol
Concen: 0.044 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Tgt Ion:112 Resp: 770

Ion	Ratio	Lower	Upper
112	100		
64	53.9	42.6	63.8
63	27.1	22.2	33.2



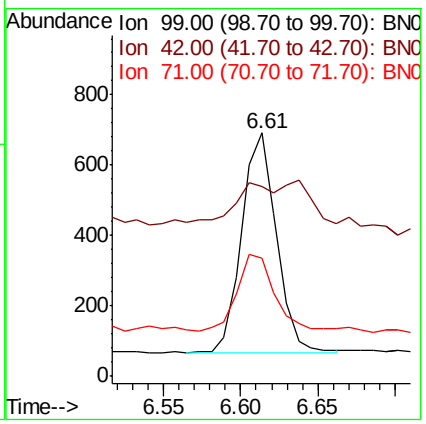


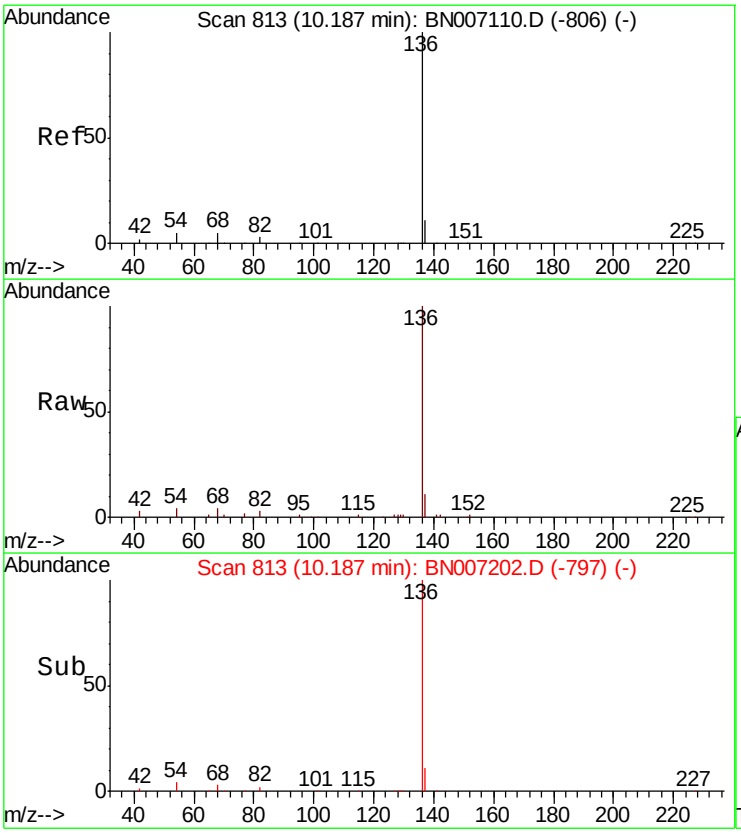
#4
Phenol-d6
Concen: 0.045 ng
RT: 6.61 min Scan# 445
Delta R.T. -0.00 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 99 Resp: 976

Ion	Ratio	Lower	Upper
99	100		
42	21.0	15.8	23.6
71	41.9	27.0	40.4#

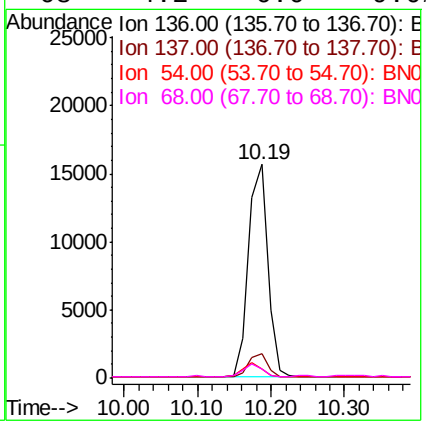


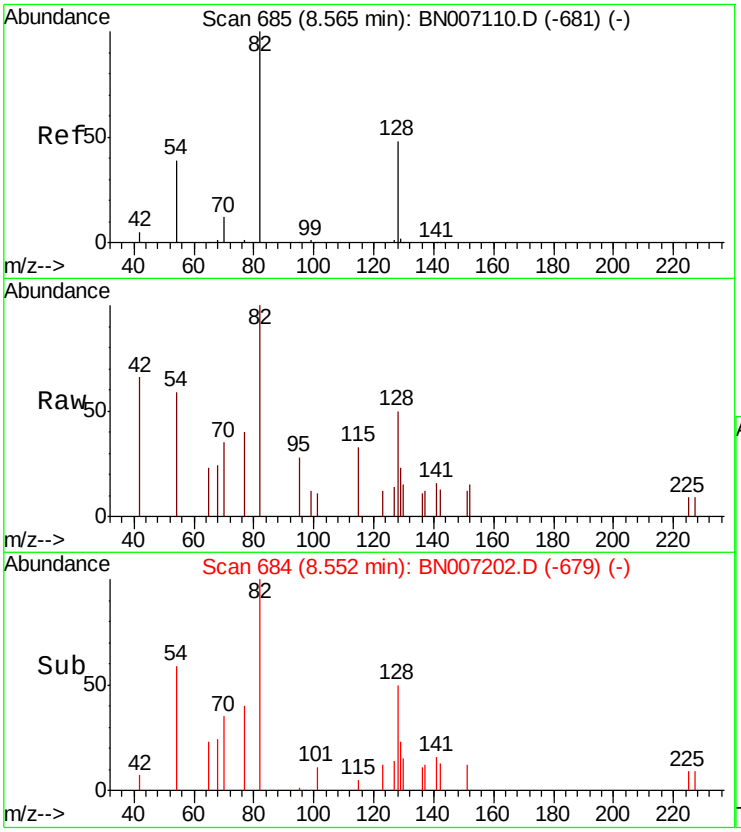


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Tgt Ion:136 Resp: 28573

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.4	14.0
54	4.3	6.6	9.8#
68	4.2	6.0	9.0#



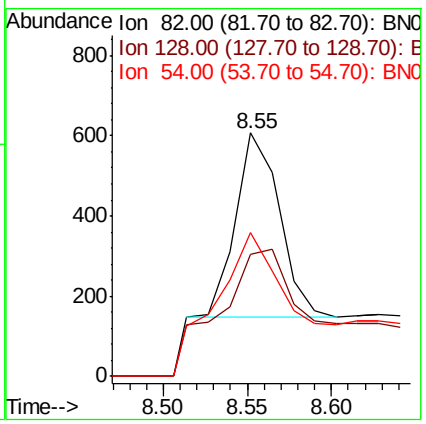


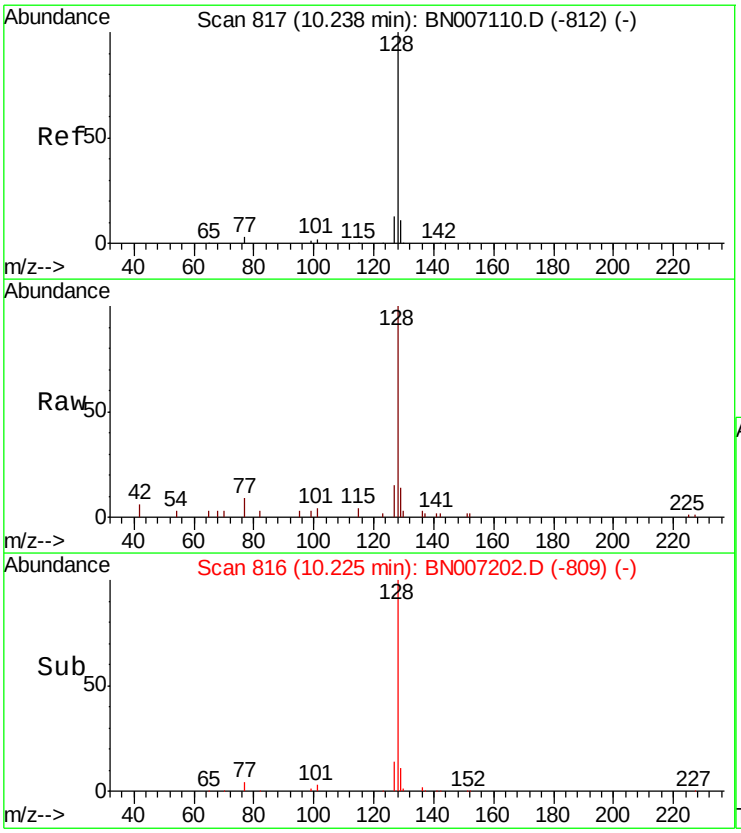
#7
Nitrobenzene-d5
Concen: 0.036 ng
RT: 8.55 min Scan# 684
Delta R.T. -0.01 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 82 Resp: 836

Ion	Ratio	Lower	Upper
82	100		
128	50.2	34.6	51.8
54	59.0	36.2	54.4#

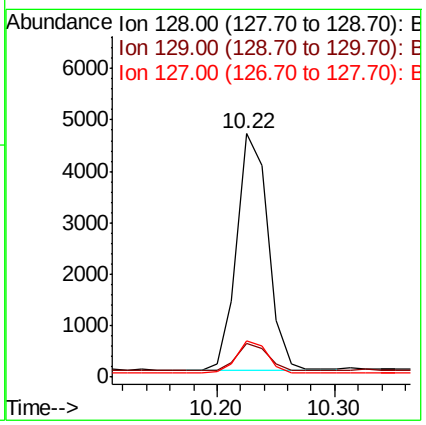


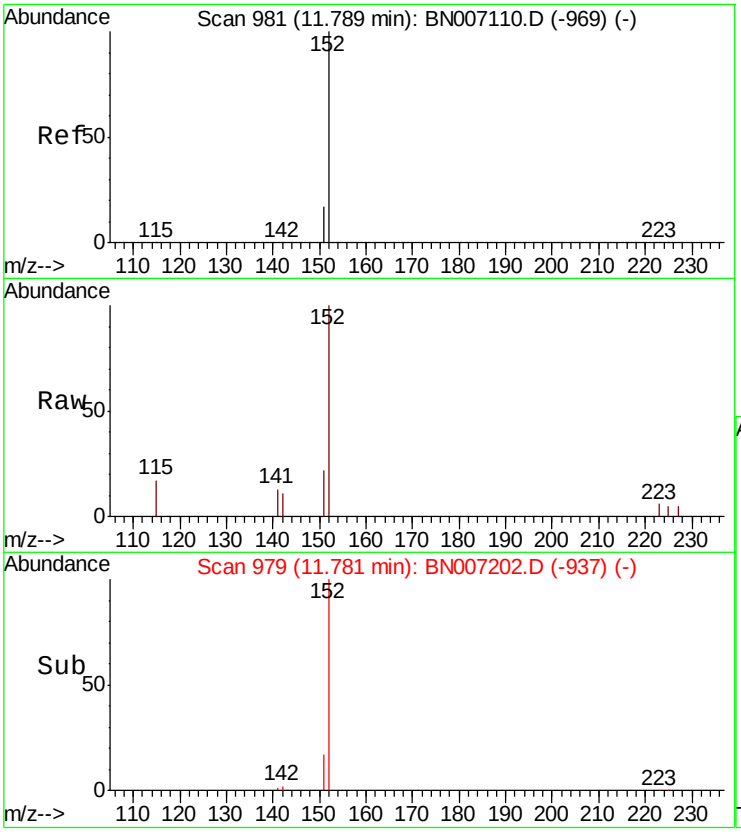


#8
Naphthalene
Concen: 0.106 ng
RT: 10.22 min Scan# 816
Delta R.T. -0.01 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Tgt Ion:128 Resp: 8477

Ion	Ratio	Lower	Upper
128	100		
129	13.6	9.4	14.2
127	14.7	11.0	16.6



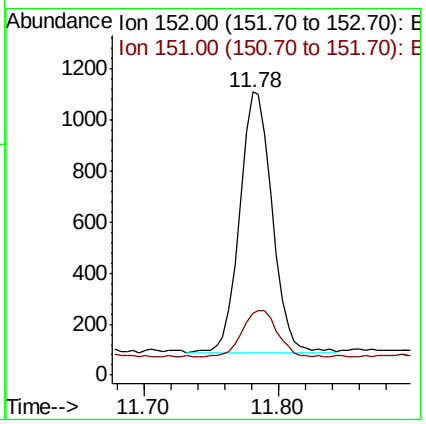


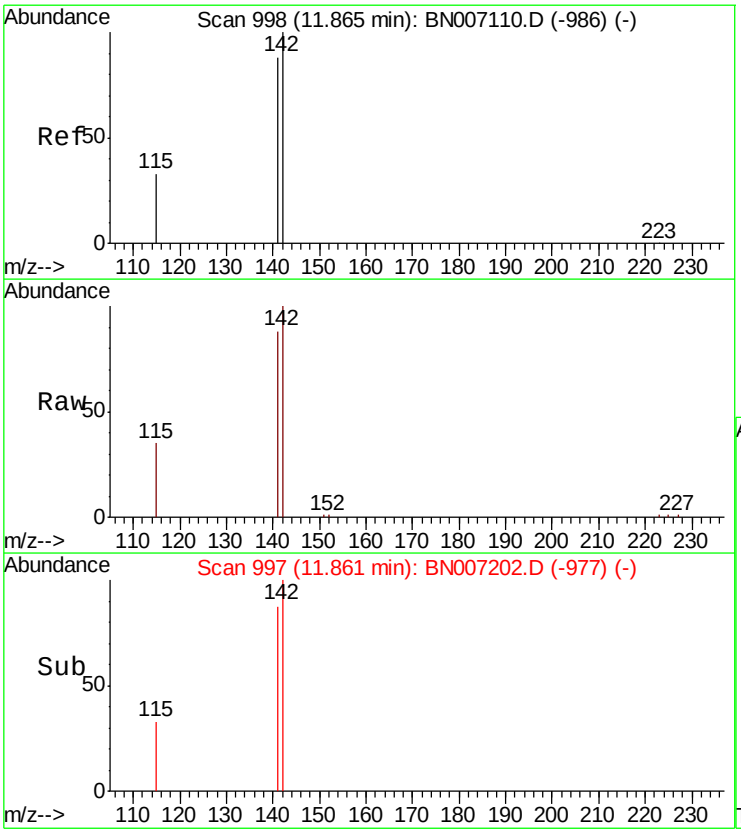
#10
2-Methylnaphthalene-d10
Concen: 0.032 ng
RT: 11.78 min Scan# 979
Delta R.T. -0.01 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 1700

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.5	23.3

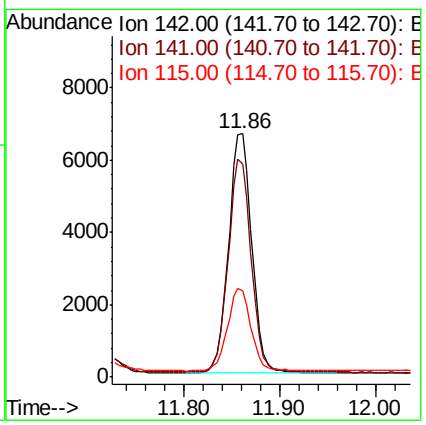


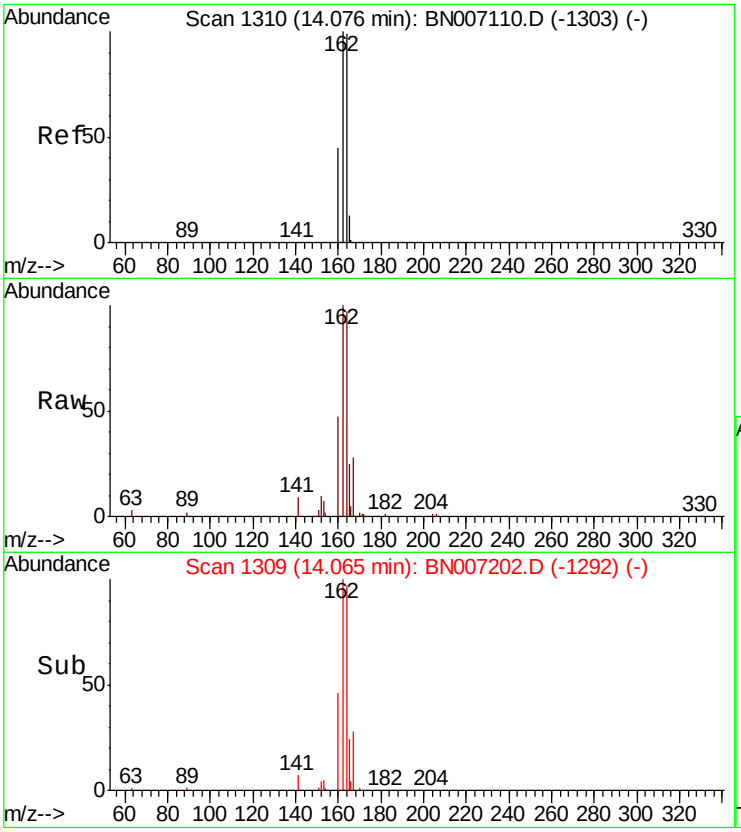


#11
2-Methylnaphthalene
Concen: 0.195 ng
RT: 11.86 min Scan# 997
Delta R.T. -0.01 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Tgt Ion:142 Resp: 11090

Ion	Ratio	Lower	Upper
142	100		
141	87.6	69.0	103.6
115	35.4	27.1	40.7



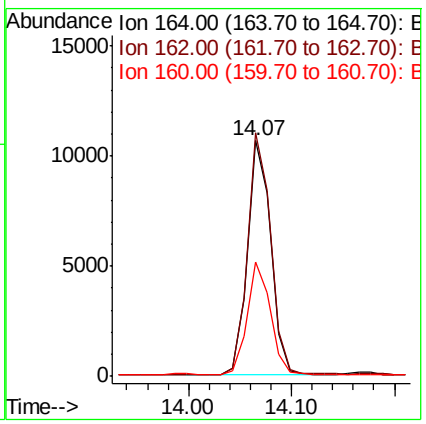


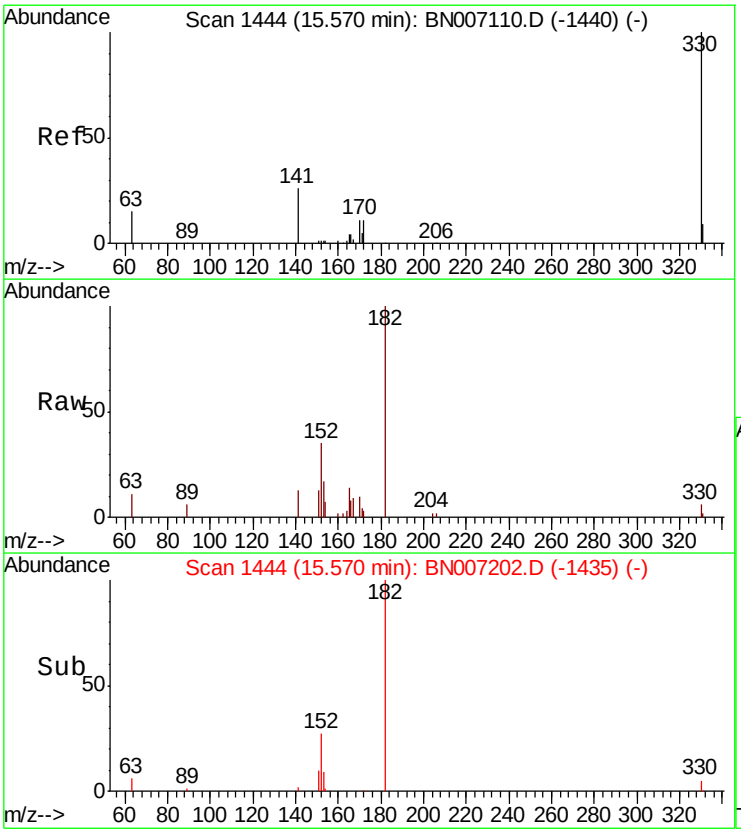
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:164 Resp: 16578

Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.2	123.4
160	48.6	38.3	57.5

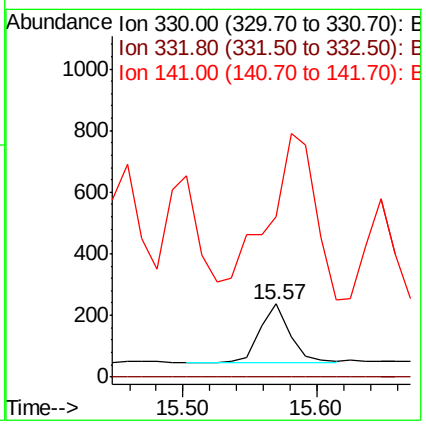


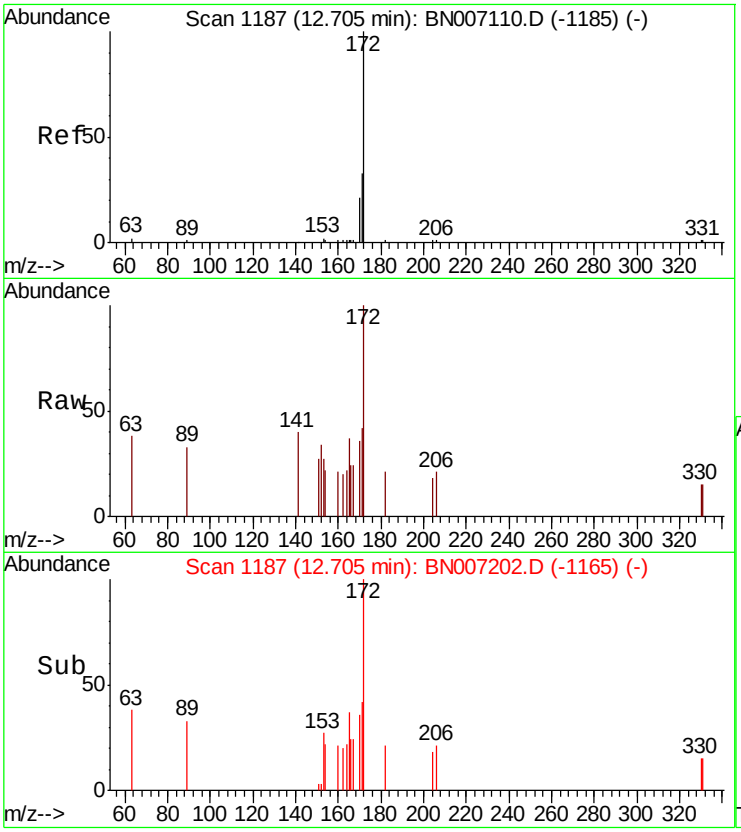


#13
2,4,6-Tribromophenol
Concen: 0.034 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Tgt Ion:330 Resp: 302

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	448.3	33.6	50.4#



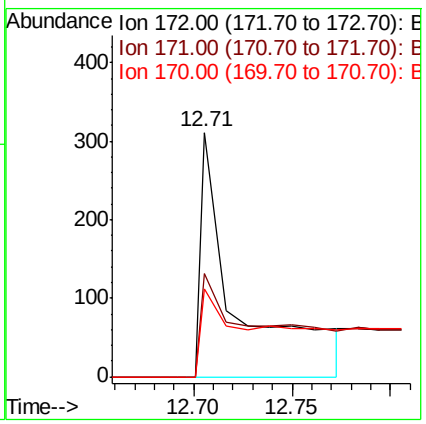


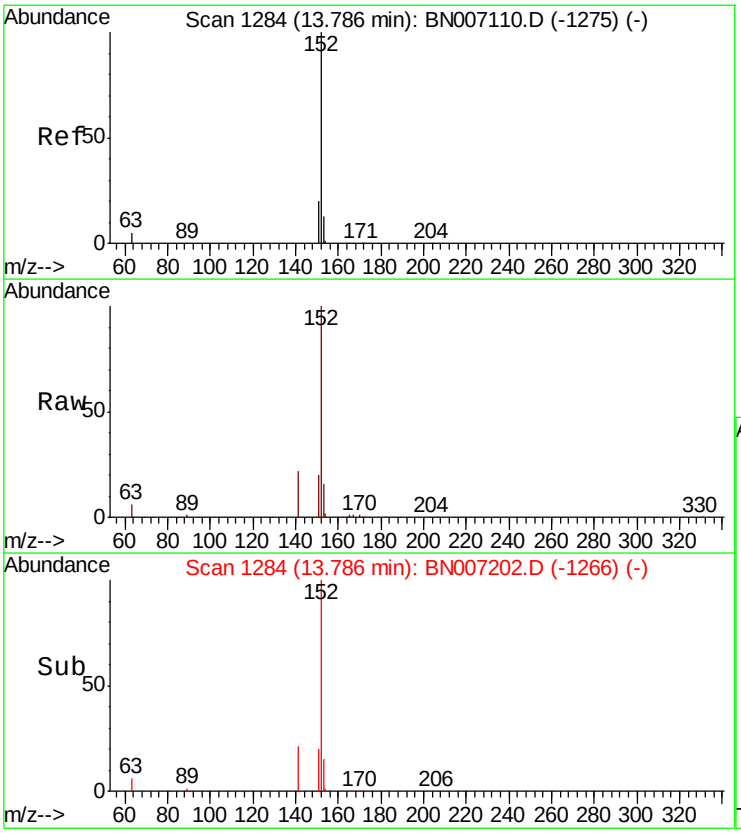
#14
2-Fluorobiphenyl
Concen: 0.017 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:172 Resp: 401

Ion	Ratio	Lower	Upper
172	100		
171	42.1	26.3	39.5#
170	36.0	17.0	25.4#

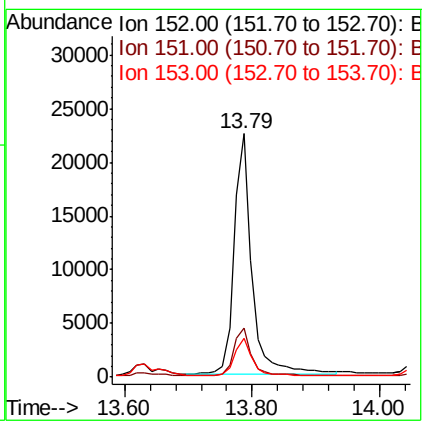


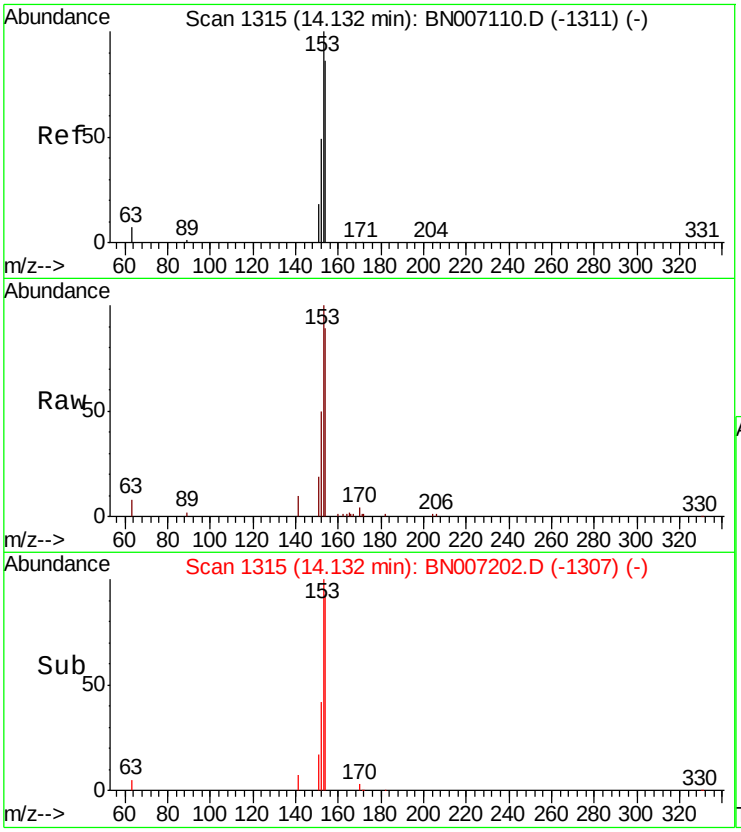


#15
Acenaphthylene
Concen: 0.502 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Tgt Ion:152 Resp: 43509

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.6
153	15.6	10.4	15.6#



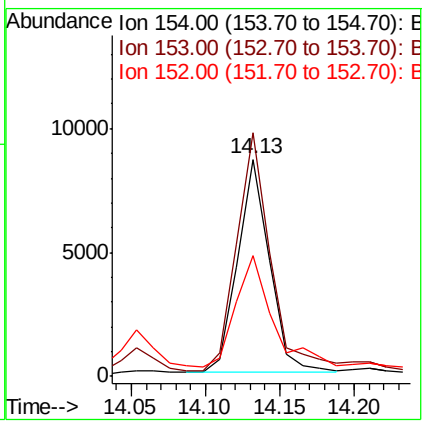


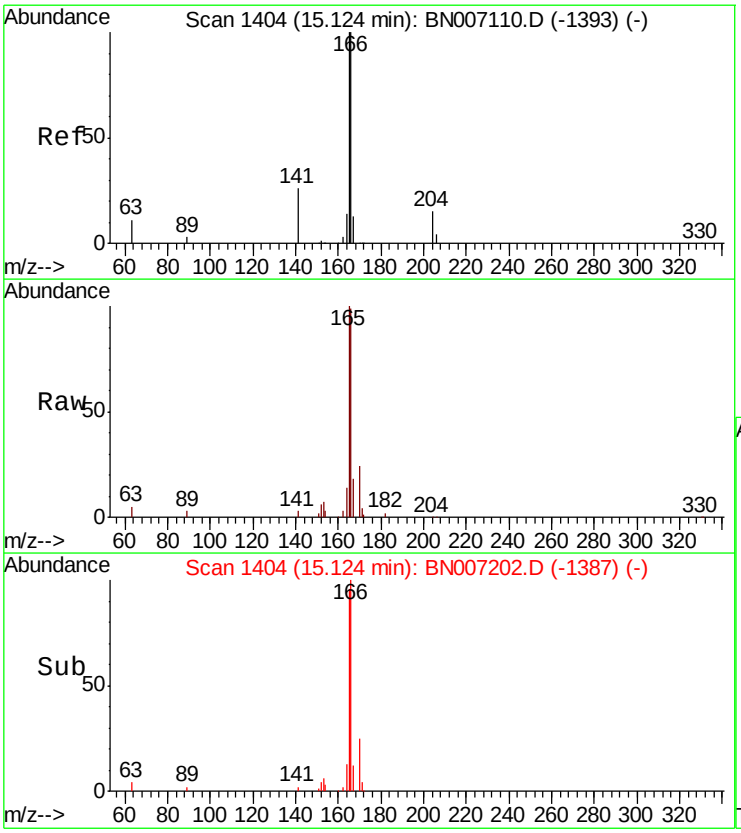
#16
Acenaphthene
Concen: 0.232 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:154 Resp: 12874

Ion	Ratio	Lower	Upper
154	100		
153	123.0	89.5	134.3
152	59.6	44.8	67.2

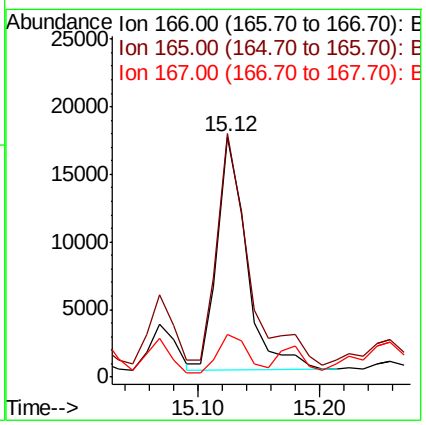


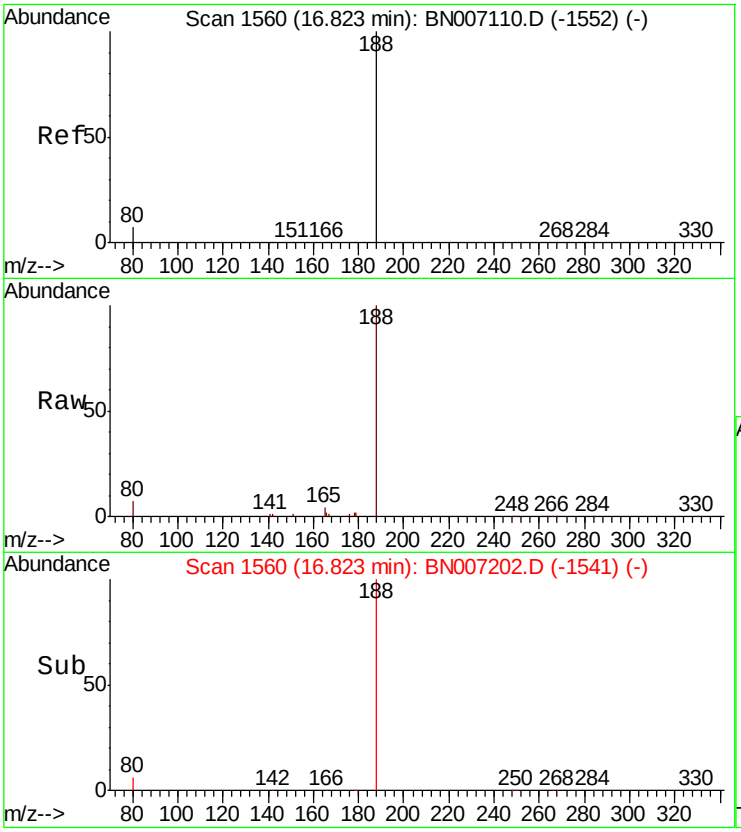


#17
Fluorene
Concen: 0.346 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Tgt Ion:166 Resp: 28777

Ion	Ratio	Lower	Upper
166	100		
165	106.5	77.9	116.9
167	16.8	10.9	16.3#



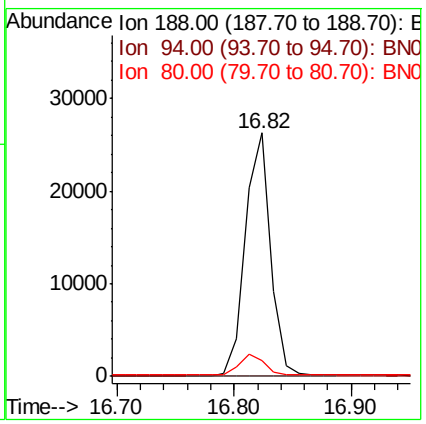


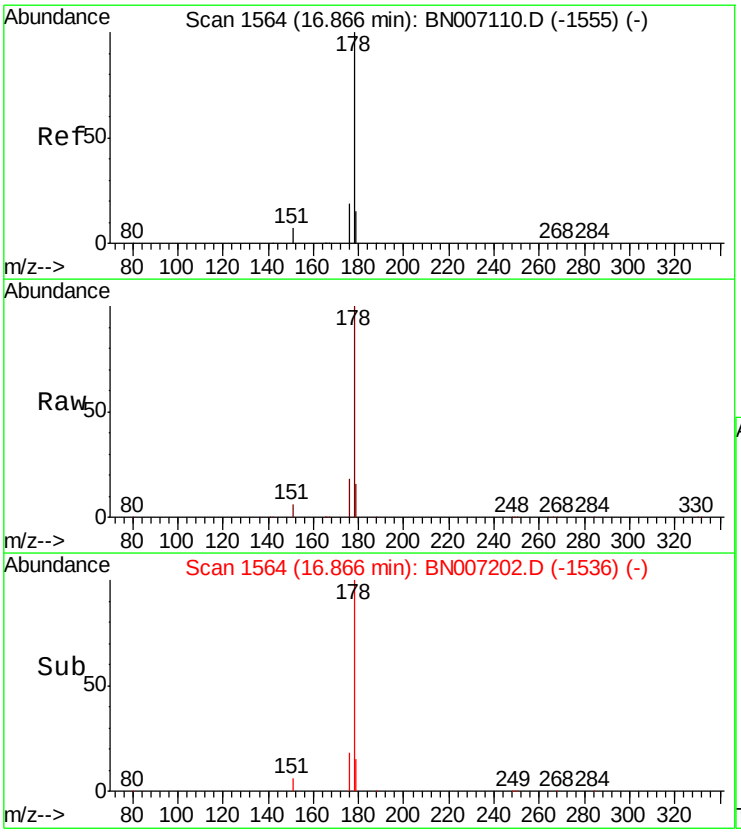
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:188 Resp: 38930

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.5	7.8	11.6#

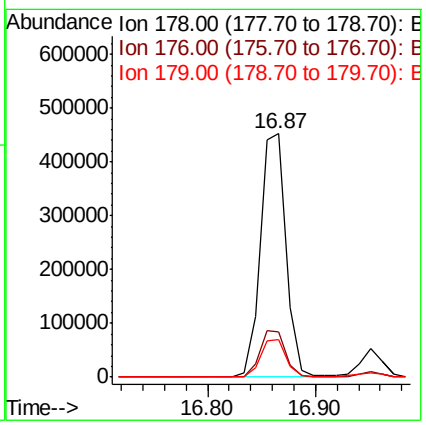


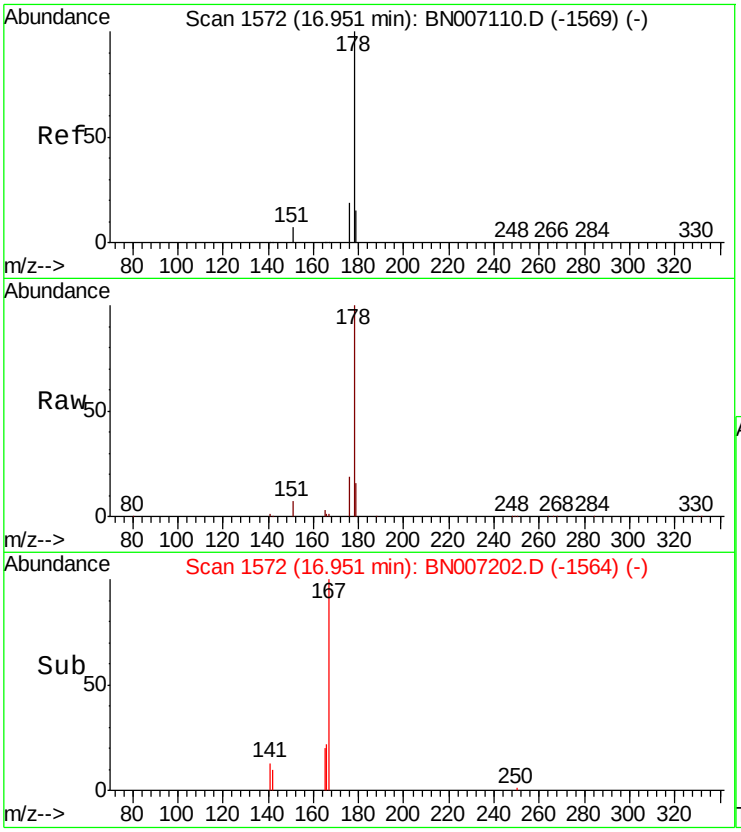


#22
Phenanthrene
Concen: 6.343 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Tgt Ion:178 Resp: 740041

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.6	12.3	18.5



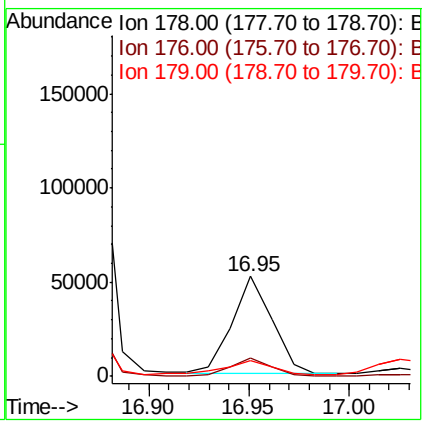


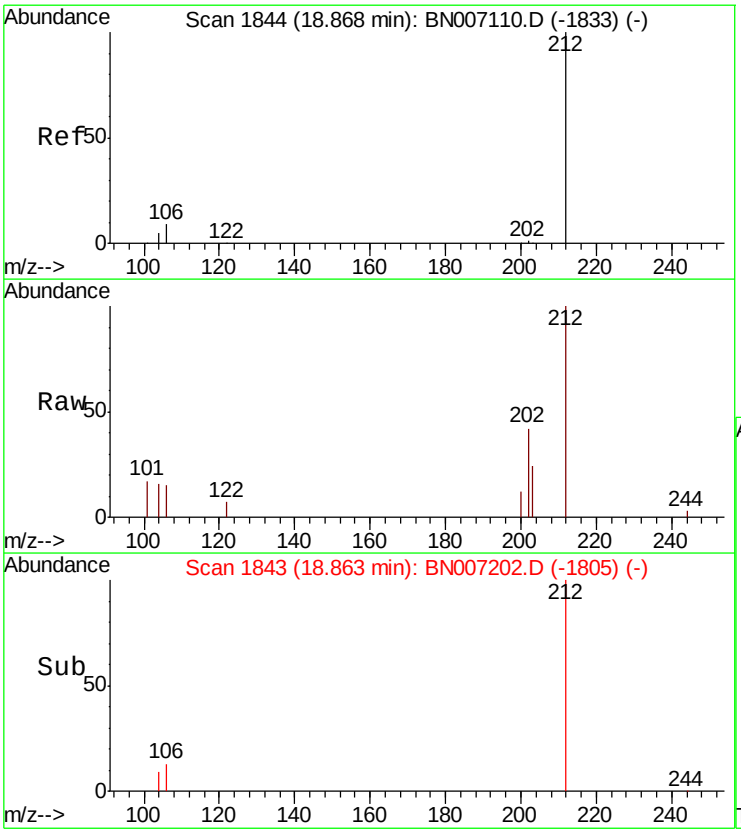
#23
Anthracene
Concen: 0.679 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 72416

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

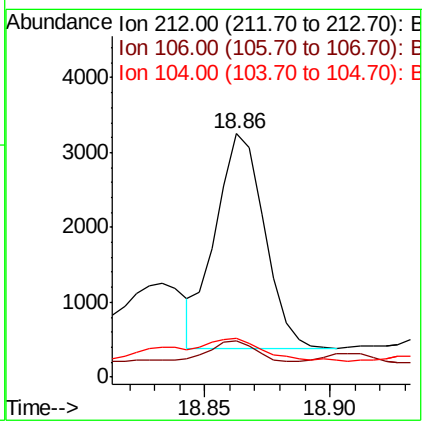


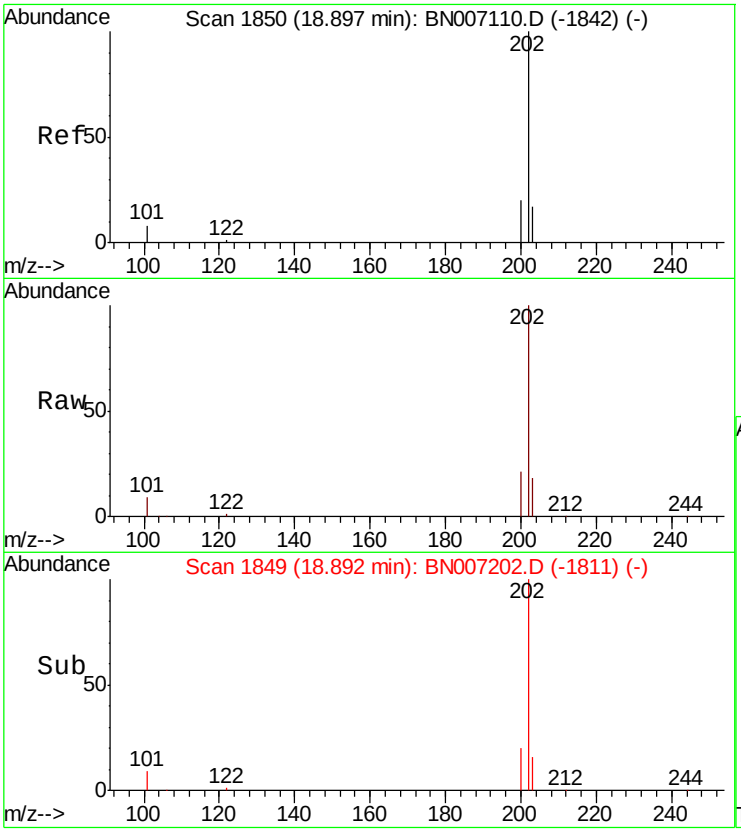


#24
Fluoranthene-d10
Concen: 0.028 ng
RT: 18.86 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Tgt Ion:212 Resp: 3878

Ion	Ratio	Lower	Upper
212	100		
106	13.5	8.2	12.2#
104	12.2	4.5	6.7#



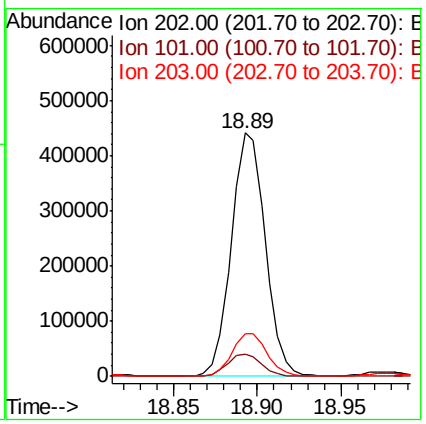


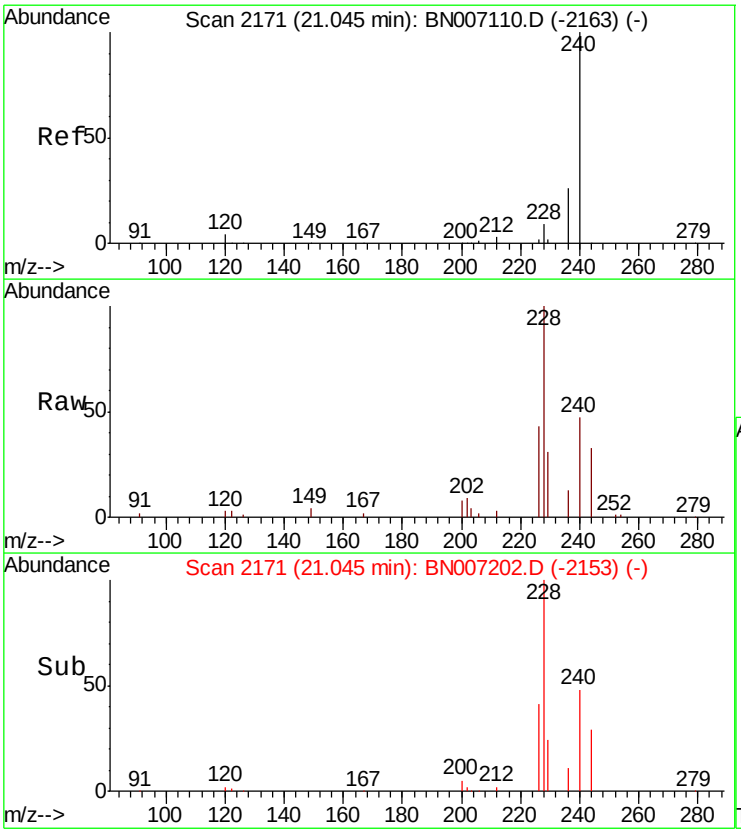
#25
Fluoranthene
Concen: 4.151 ng
RT: 18.89 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:202 Resp: 619545

Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.0	10.4
203	18.1	13.8	20.8

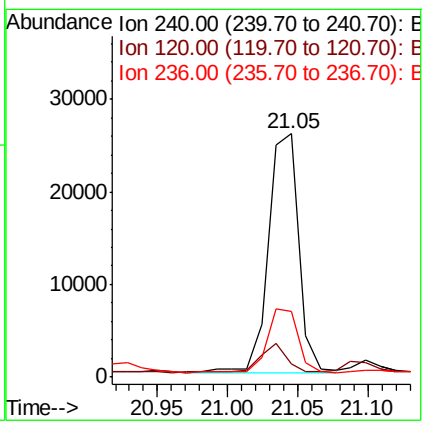


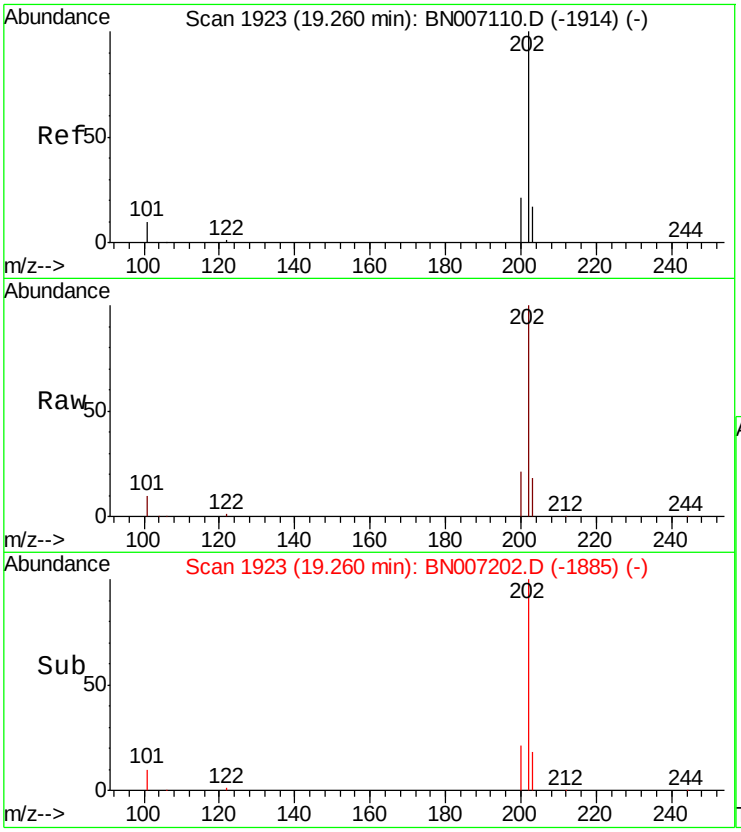


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Tgt Ion:240 Resp: 38927

Ion	Ratio	Lower	Upper
240	100		
120	5.3	4.0	6.0
236	27.1	21.3	31.9



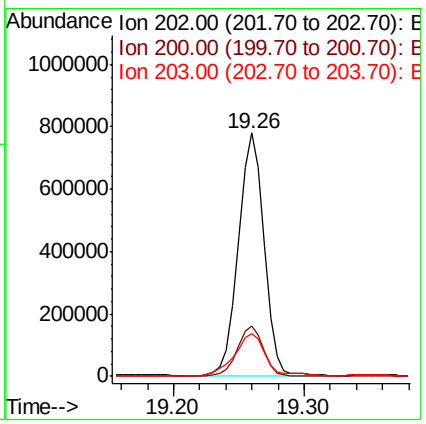


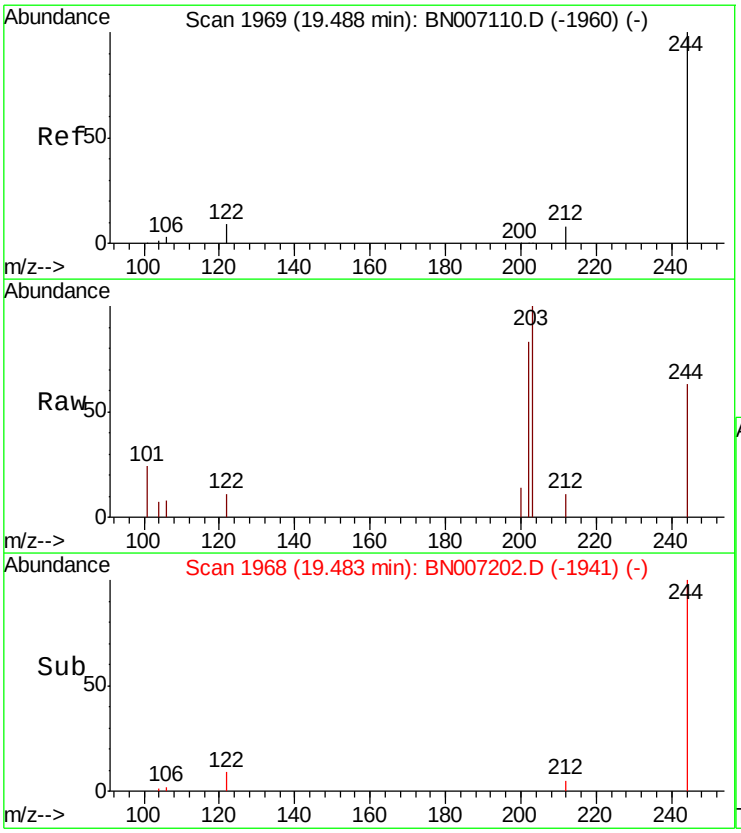
#27
Pyrene
Concen: 7.934 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:202 Resp: 1083061

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	20.4	14.0	21.0

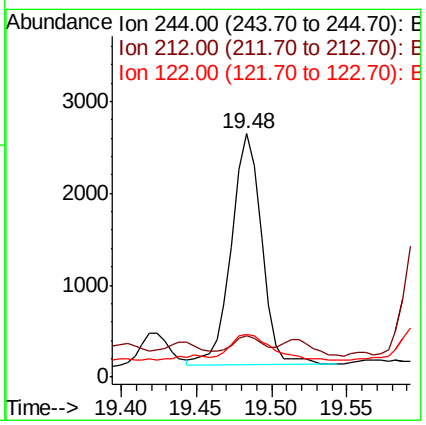


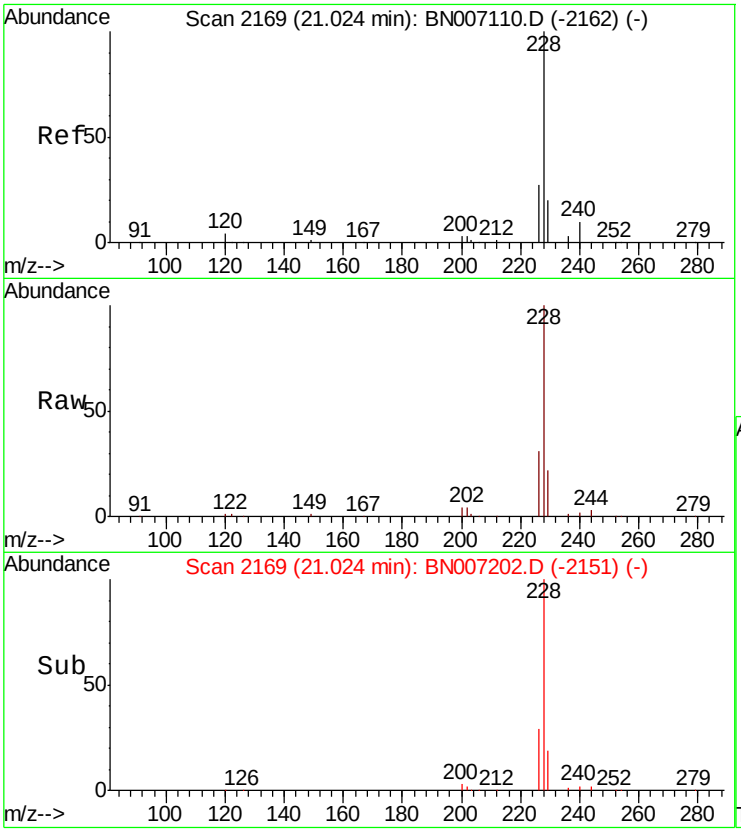


#28
Terphenyl-d14
Concen: 0.033 ng
RT: 19.48 min Scan# 1968
Delta R.T. -0.02 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Tgt Ion:244 Resp: 3536

Ion	Ratio	Lower	Upper
244	100		
212	16.9	6.2	9.2#
122	17.4	7.4	11.2#



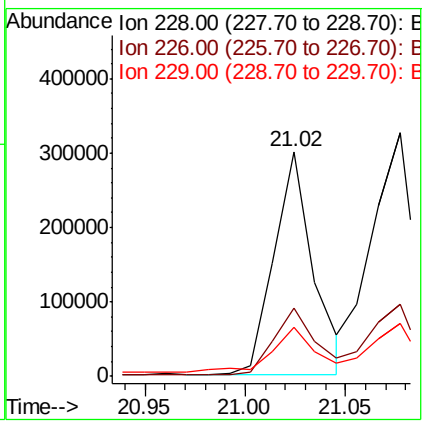


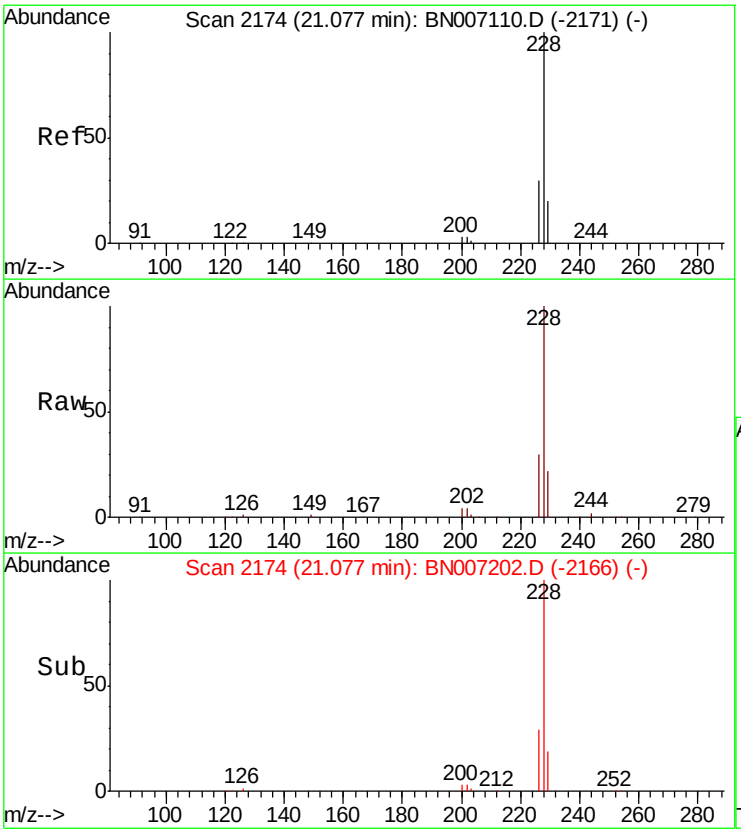
#29
Benzo(a)anthracene
Concen: 2.865 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 407881

Ion	Ratio	Lower	Upper
228	100		
226	30.6	21.8	32.6
229	22.1	15.6	23.4

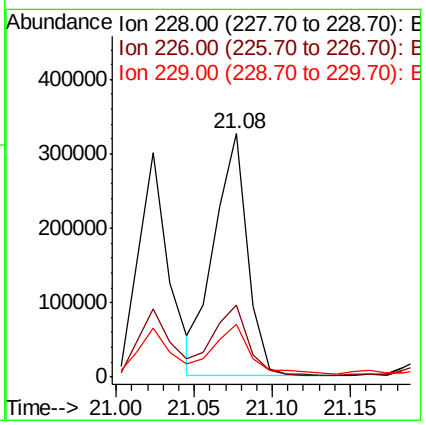


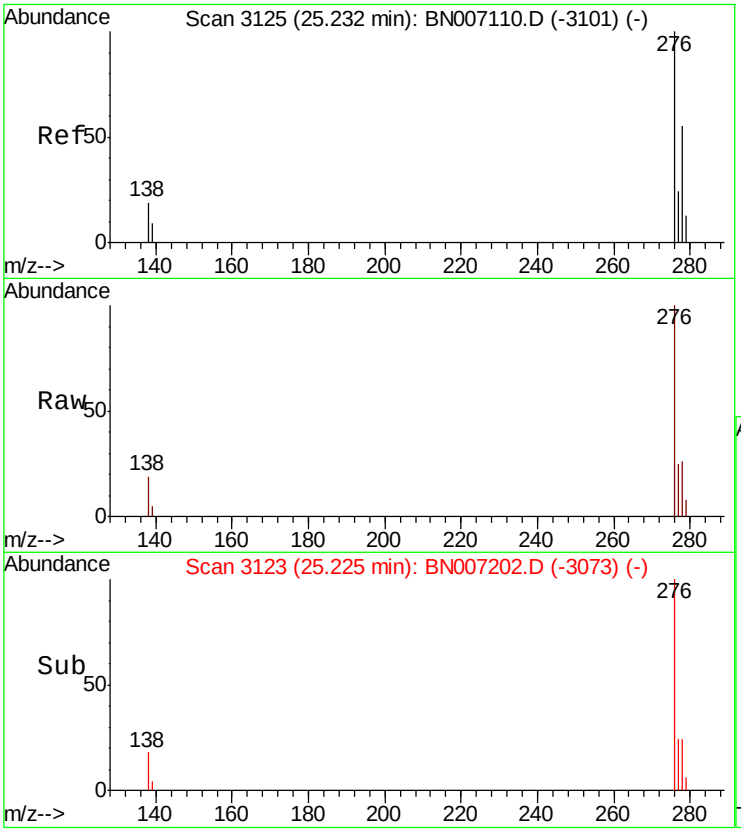


#30
Chrysene
Concen: 3.465 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Tgt Ion:228 Resp: 479259

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.8	35.6
229	21.6	15.7	23.5



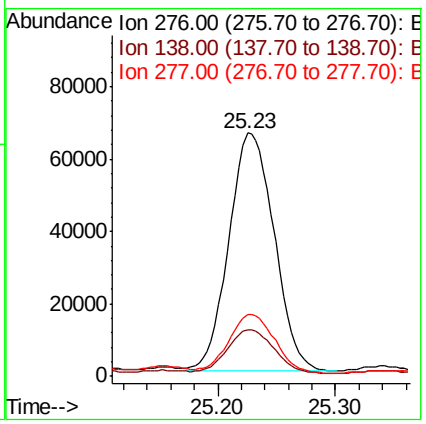


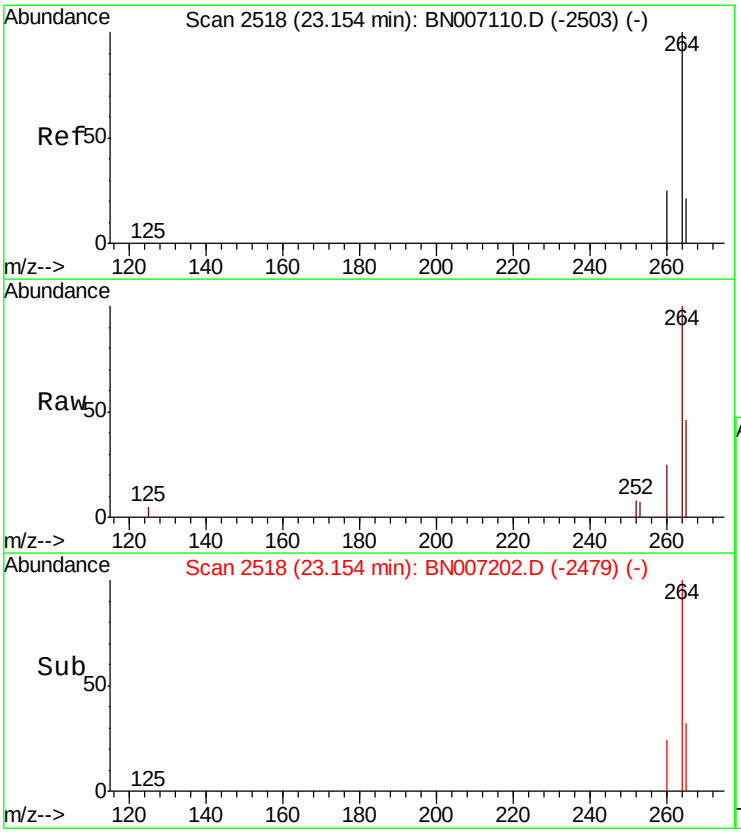
#31
Indeno(1,2,3-cd)pyrene
Concen: 1.150 ng
RT: 25.23 min Scan# 3123
Delta R.T. -0.03 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 175248

Ion	Ratio	Lower	Upper
276	100		
138	18.9	16.0	24.0
277	24.9	19.9	29.9

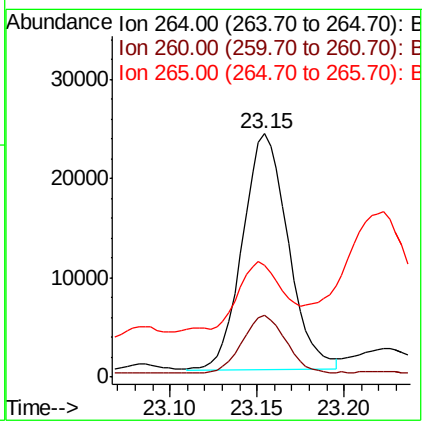


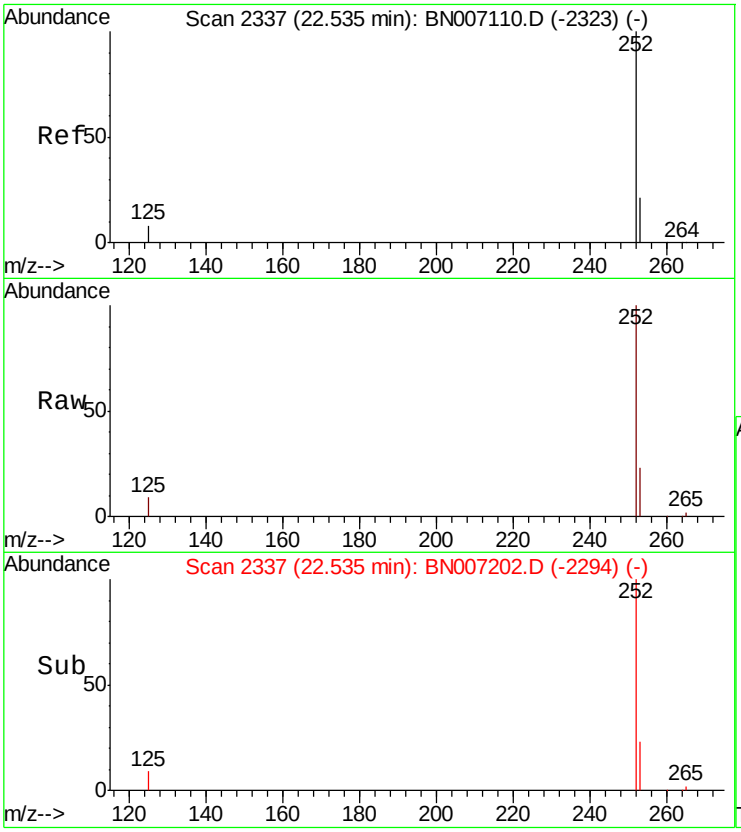


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.15 min Scan# 2518
Delta R.T. -0.02 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Tgt Ion:264 Resp: 43125

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.8	29.8
265	45.7	26.2	39.4#



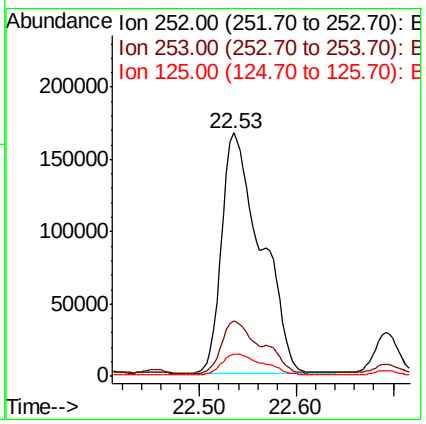


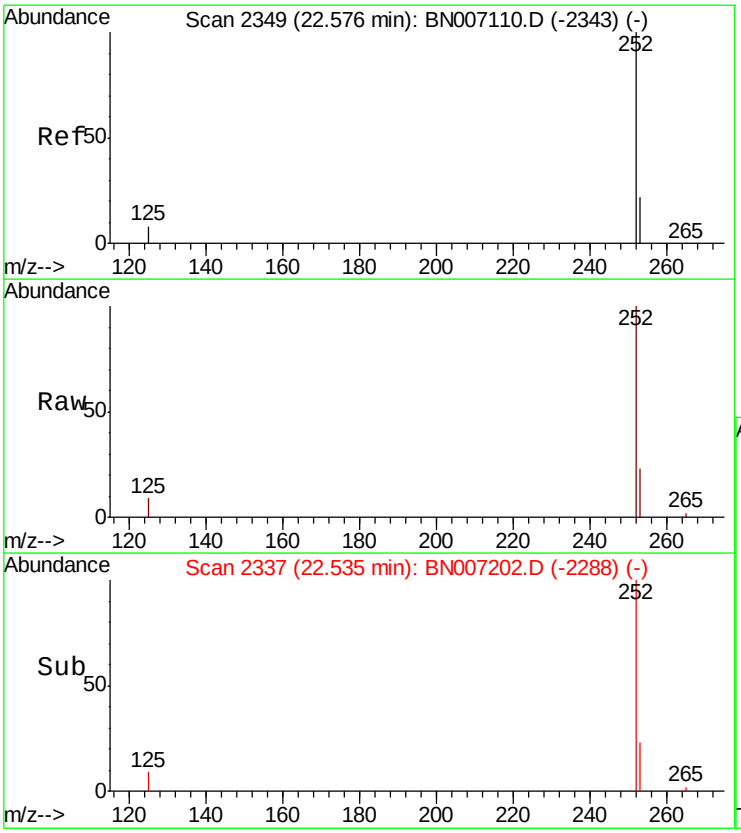
#33
Benzo(b)fluoranthene
Concen: 3.174 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 469316

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	9.2	7.4	11.0

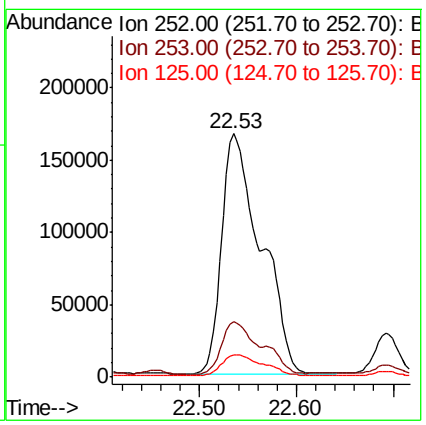


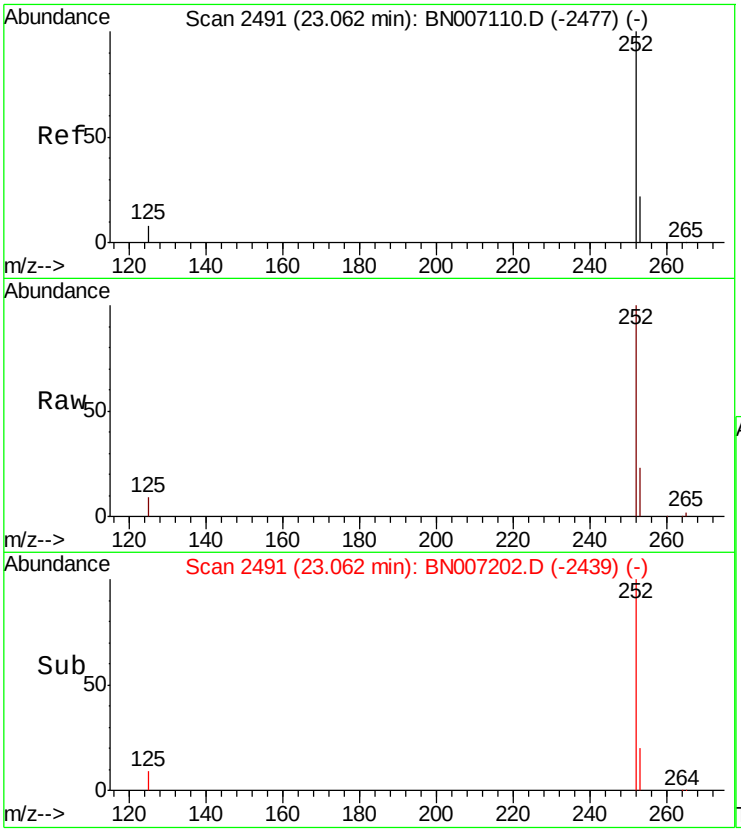


#34
Benzo(k)fluoranthene
Concen: 3.215 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.05 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Tgt Ion:252 Resp: 469598

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	9.2	7.4	11.0



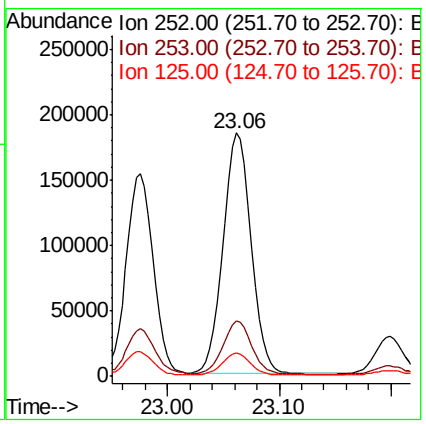


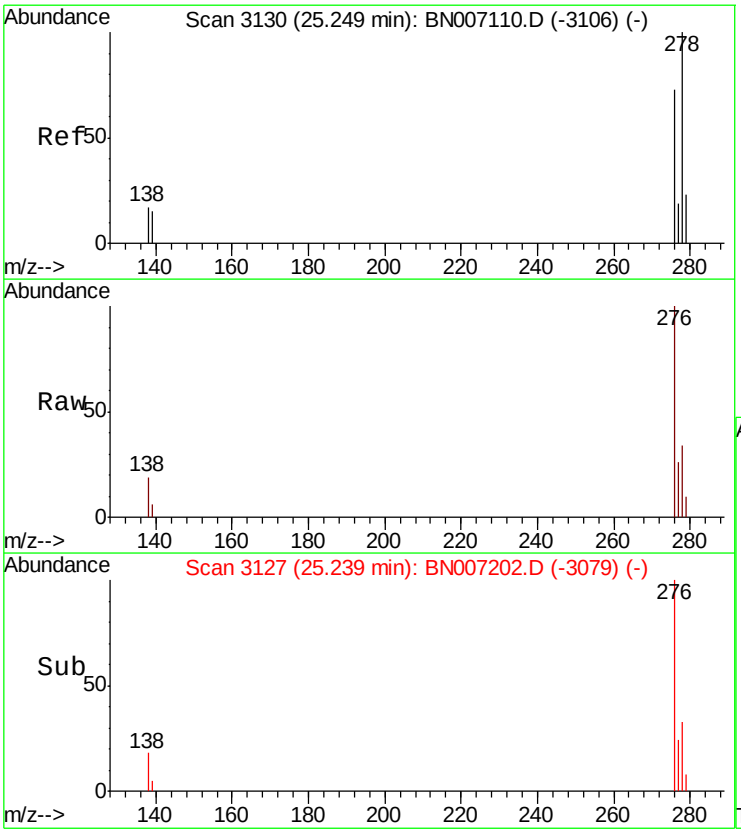
#35
Benzo(a)pyrene
Concen: 2.396 ng
RT: 23.06 min Scan# 2491
Delta R.T. -0.02 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 321200

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.5	27.7
125	9.5	8.2	12.4

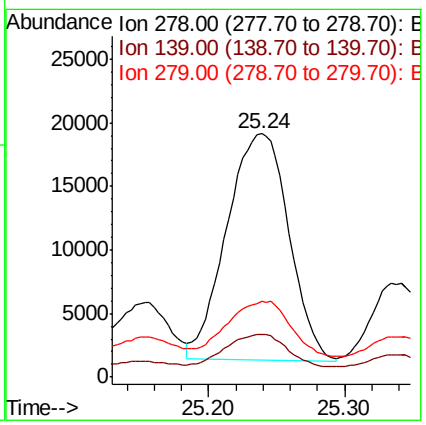


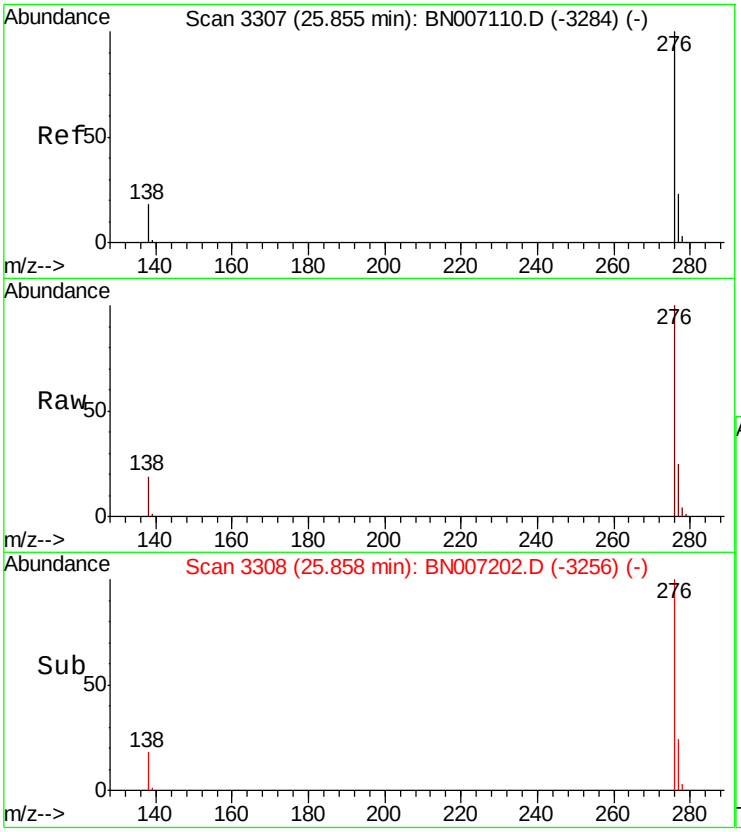


#36
Dibenzo(a,h)anthracene
Concen: 0.420 ng
RT: 25.24 min Scan# 3127
Delta R.T. -0.03 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Tgt Ion:278 Resp: 56207

Ion	Ratio	Lower	Upper
278	100		
139	17.7	11.3	16.9#
279	31.0	19.3	28.9#





#37
Benzo(g,h,i)perylene
Concen: 1.618 ng
RT: 25.86 min Scan# 3308
Delta R.T. -0.02 min
Lab File: BN007202.D
Acq: 15 Aug 2019 18:33

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 222575

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.8	29.8
138	18.8	14.6	22.0