Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081519\
Data File : BN007195.D
Acq On : 15 Aug 2019 14:21
Operator : HP/JU
Sample : K4173-22 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId :

Quant Time: Aug 16 02:41:55 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	10771	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	41406	0.40	ng		0.00
12) Acenaphthene-d10	14.07	164	23782	0.40	ng		-0.01
18) Phenanthrene-d10	16.82	188	57473	0.40	ng		0.00
26) Chrysene-d12	21.05	240	60732	0.40	ng		-0.01
32) Perylene-d12	23.16	264	68866	0.40	ng		-0.01
System Monitoring Compounds							
3) 2-Fluorophenol	5.05	112	2078	0.08	ng		0.00
4) Phenol-d6	6.61	99	2782	0.09	ng		0.00
7) Nitrobenzene-d5	8.55	82	2240	0.07	ng		-0.01
10) 2-Methylnaphthalene-d10	11.79	152	4930	0.06	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	799	0.06	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	785	0.02	ng		0.00
24) Fluoranthene-d10	18.87	212	14853	0.07	ng		0.00
28) Terphenyl-d14	19.48	244	10889	0.07	ng		-0.02
Target Compounds							Qvalue
8) Naphthalene	10.22	128	10610	0.091	ng		97
11) 2-Methylnaphthalene	11.86	142	11257	0.137	ng		98
15) Acenaphthylene	13.79	152	93464	0.752	ng		99
16) Acenaphthene	14.13	154	10778	0.135	ng		94
17) Fluorene	15.12	166	29403	0.247	ng		88
22) Phenanthrene	16.87	178	565409	3.283	ng		100
23) Anthracene	16.95	178	86978	0.553	ng		98
25) Fluoranthene	18.90	202	584632	2.653	ng		99
27) Pyrene	19.26	202	919304	4.316	ng		97
29) Benzo(a)anthracene	21.08	228	438611	1.975	ng		95
30) Chrysene	21.08	228	438611	2.033	ng		98
31) Indeno(1,2,3-cd)pyrene	25.23	276	195546	0.822	ng		99
33) Benzo(b)fluoranthene	22.53	252	383464	1.624	ng		100
34) Benzo(k)fluoranthene	22.53	252	383464	1.644	ng		99
35) Benzo(a)pyrene	23.06	252	317912	1.485	ng		99
36) Dibenzo(a,h)anthracene	25.24	278	57001	0.267	ng	#	87
37) Benzo(g,h,i)perylene	25.86	276	232557	1.058	ng		99

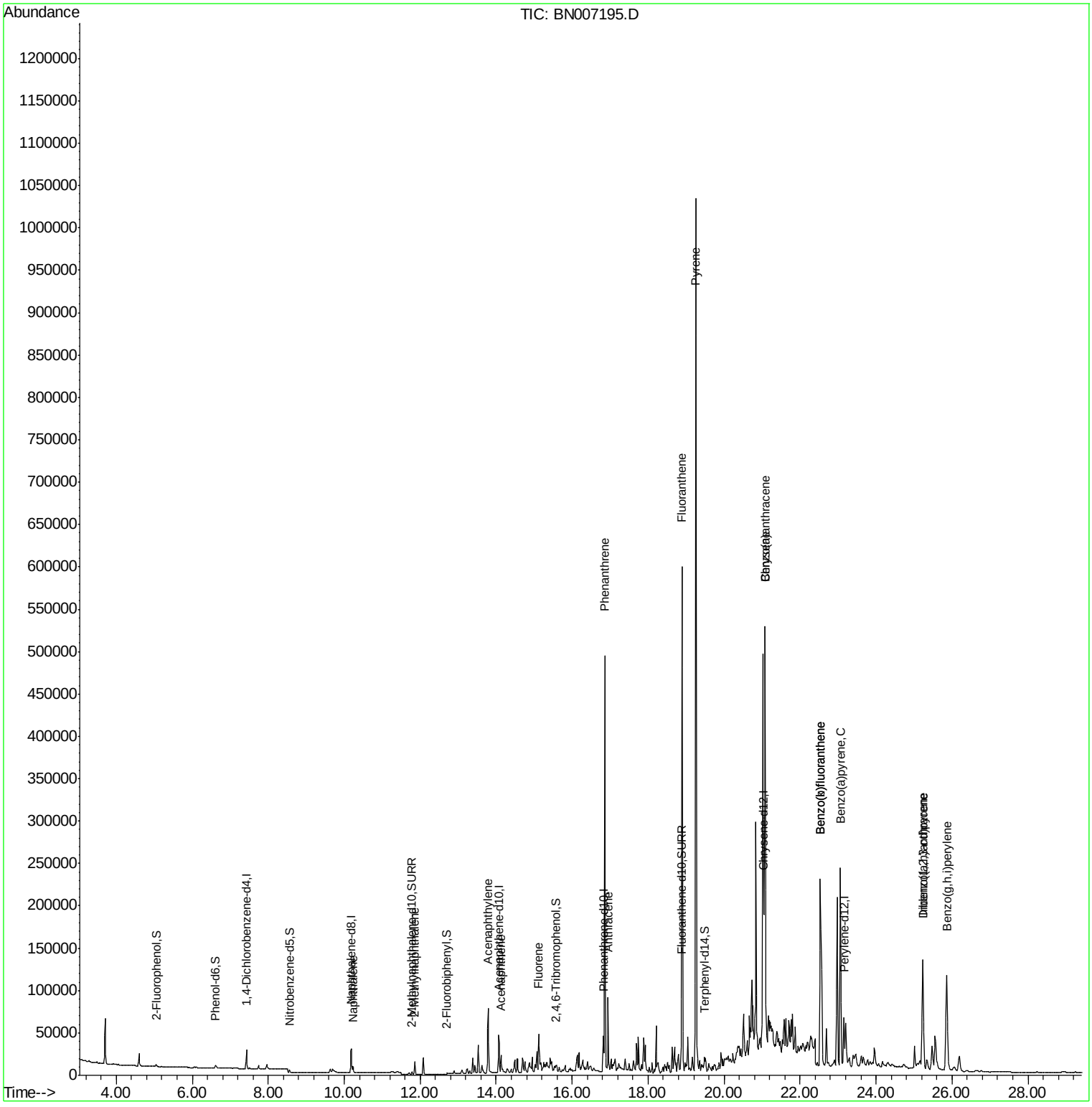
(#) = qualifier out of range (m) = manual integration (+) = signals summed

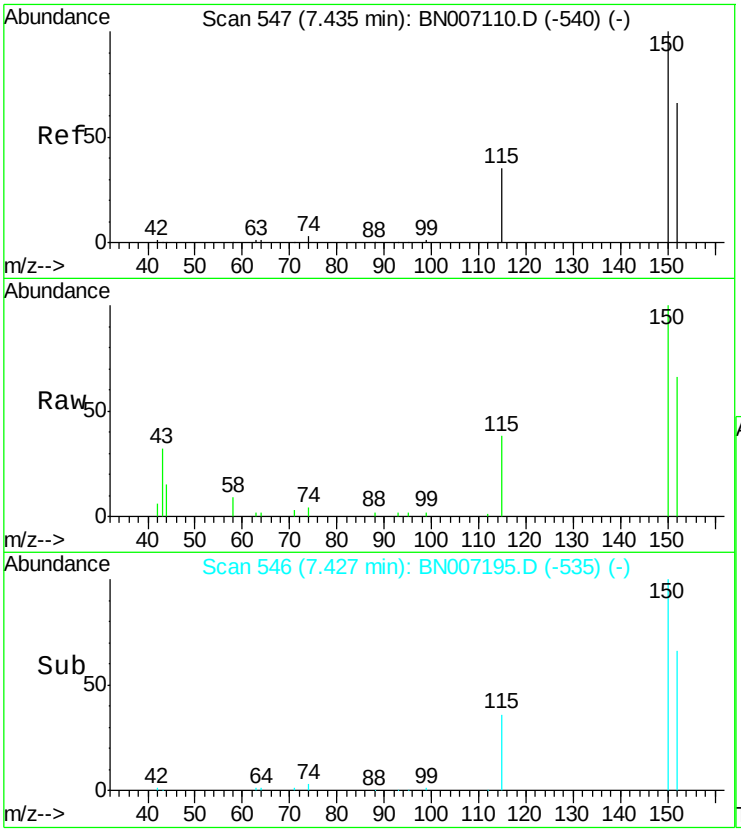
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081519\
Data File : BN007195.D
Acq On : 15 Aug 2019 14:21
Operator : HP/JU
Sample : K4173-22 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Aug 16 02:41:55 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



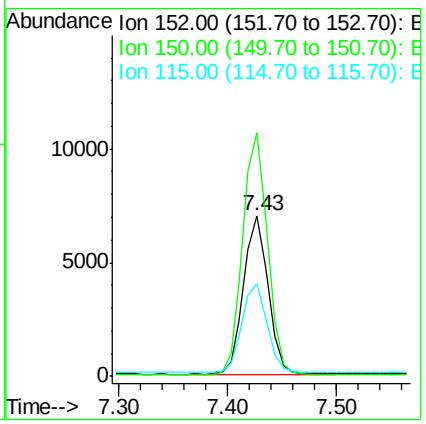


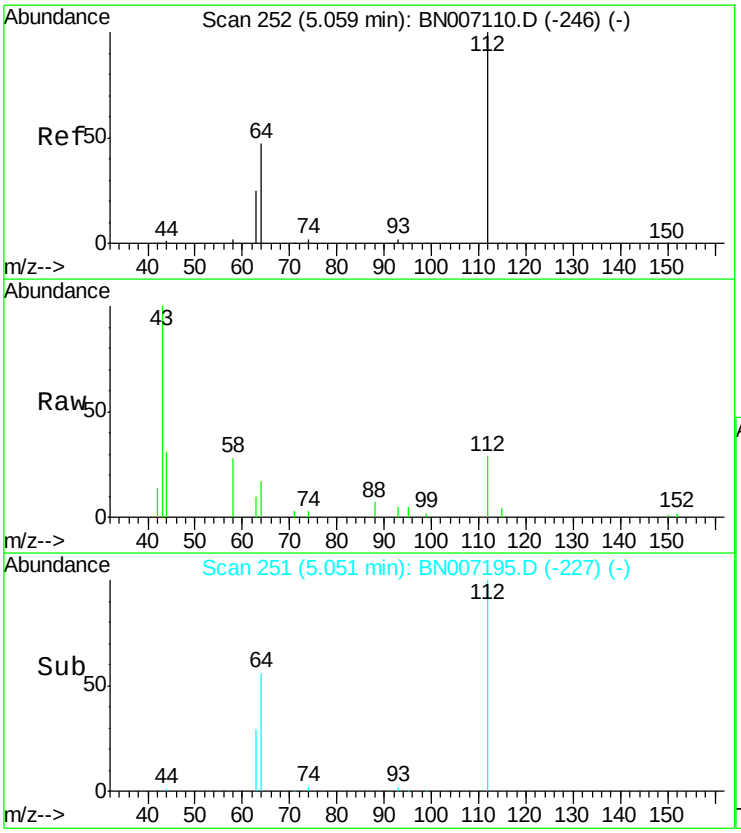
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 10771

Ion	Ratio	Lower	Upper
152	100		
150	151.3	121.7	182.5
115	57.3	46.2	69.4

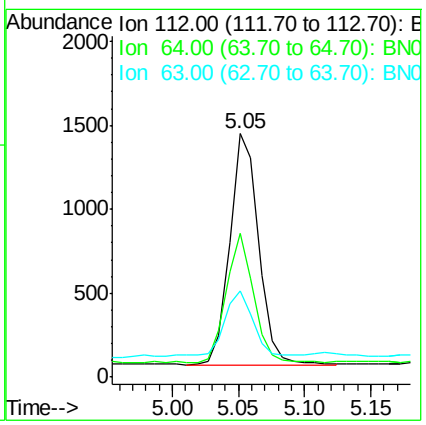


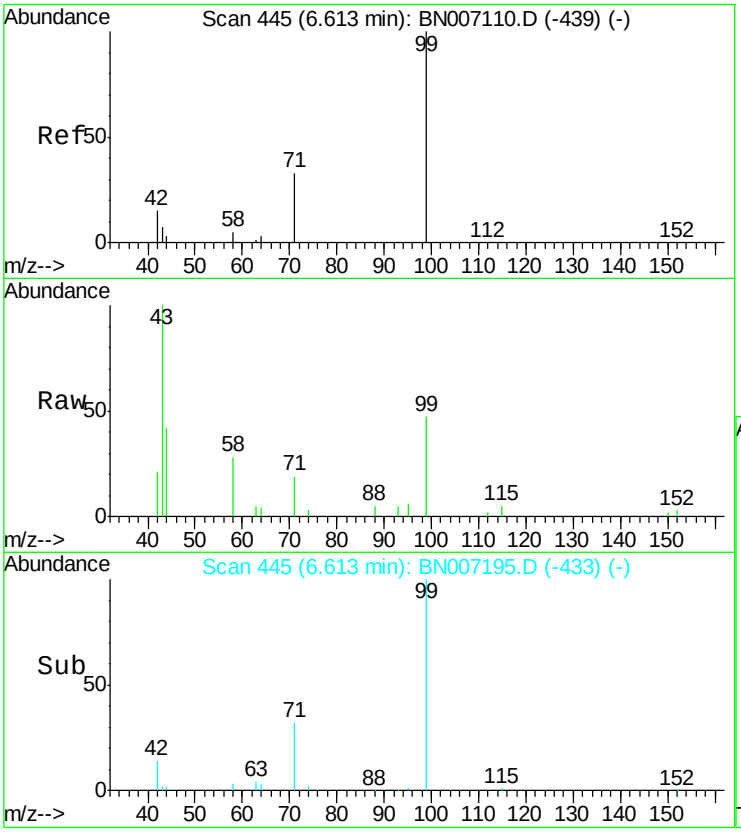


#3
2-Fluorophenol
Concen: 0.080 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Tgt Ion:112 Resp: 2078

Ion	Ratio	Lower	Upper
112	100		
64	53.9	42.6	63.8
63	30.8	22.2	33.2



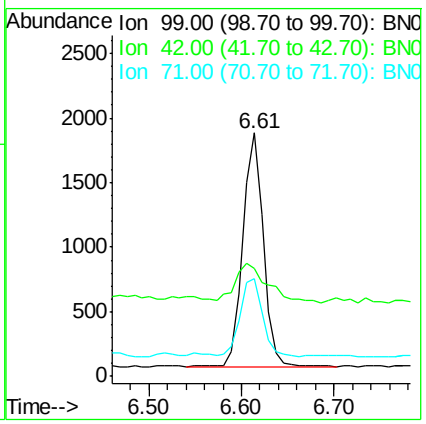


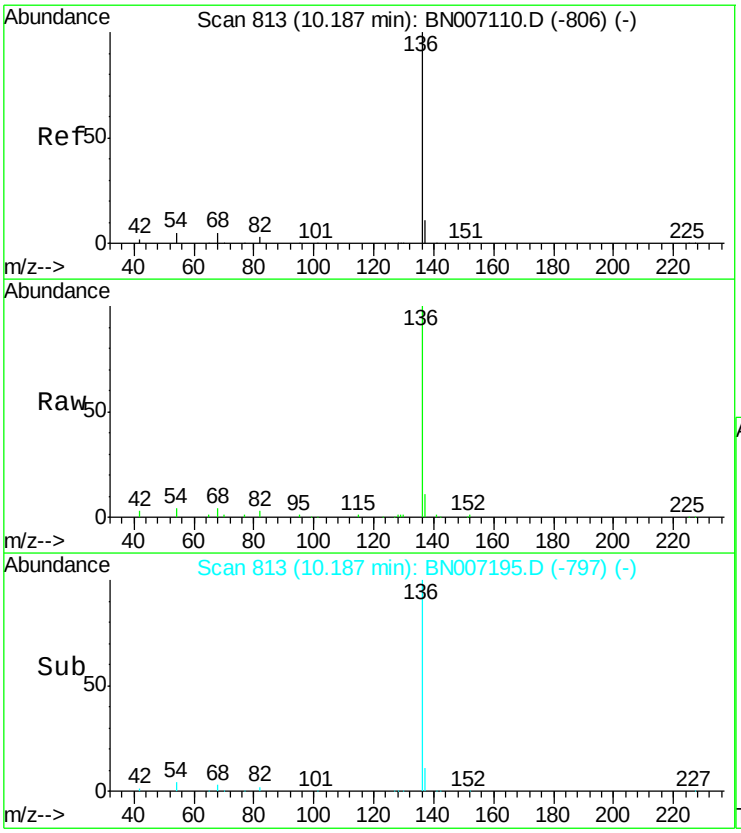
#4
Phenol-d6
Concen: 0.087 ng
RT: 6.61 min Scan# 445
Delta R.T. -0.00 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 99 Resp: 2782

Ion	Ratio	Lower	Upper
99	100		
42	25.3	15.8	23.6#
71	36.5	27.0	40.4

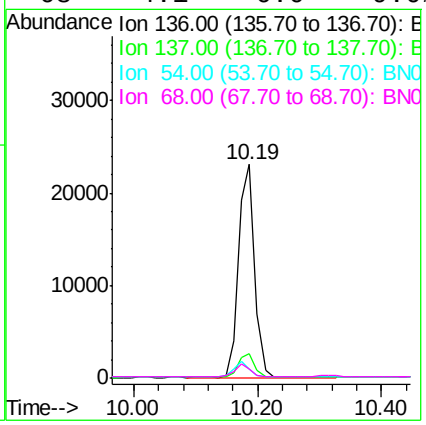


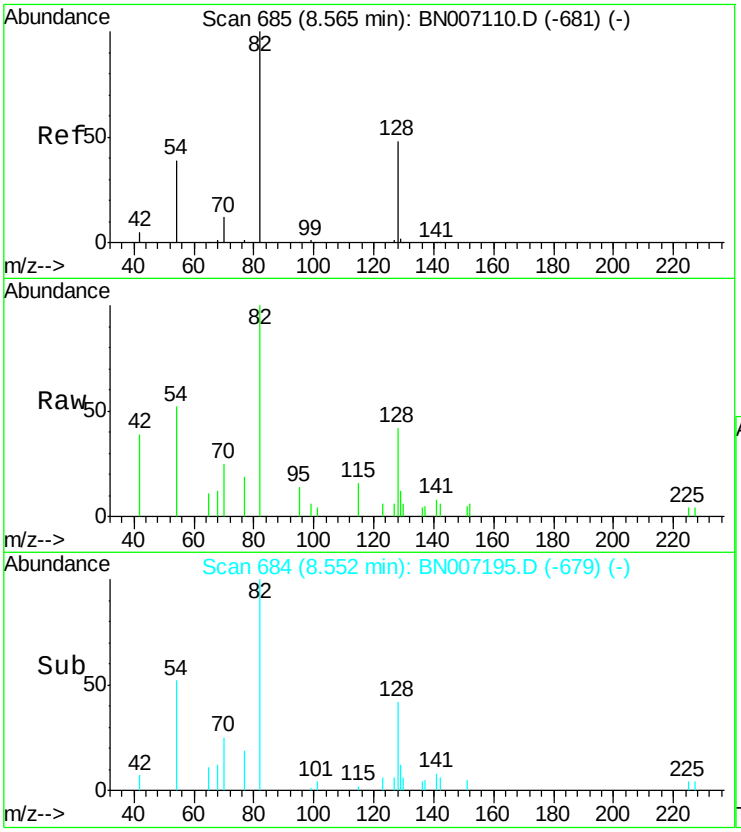


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Tgt Ion:136 Resp: 41406

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.4	14.0
54	4.3	6.6	9.8#
68	4.1	6.0	9.0#



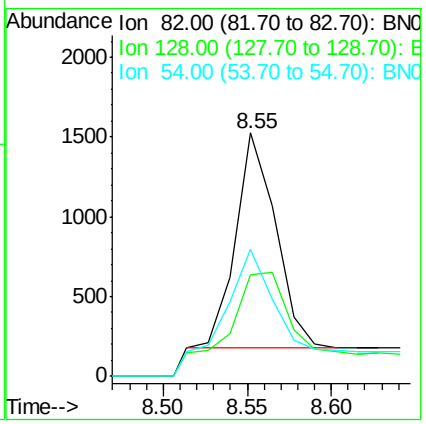


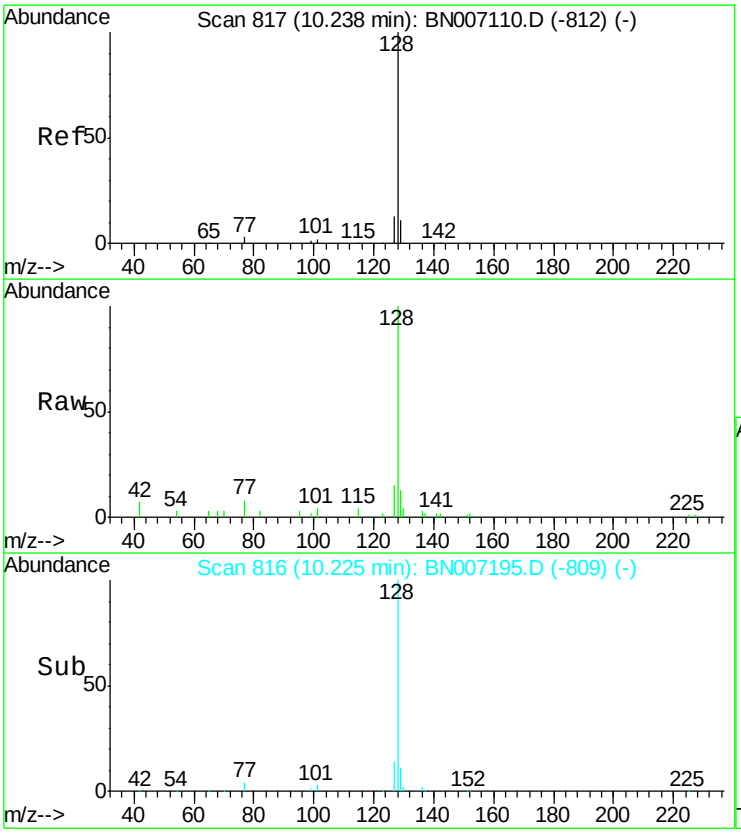
#7
Nitrobenzene-d5
Concen: 0.067 ng
RT: 8.55 min Scan# 684
Delta R.T. -0.01 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 82 Resp: 2240

Ion	Ratio	Lower	Upper
82	100		
128	41.7	34.6	51.8
54	52.0	36.2	54.4

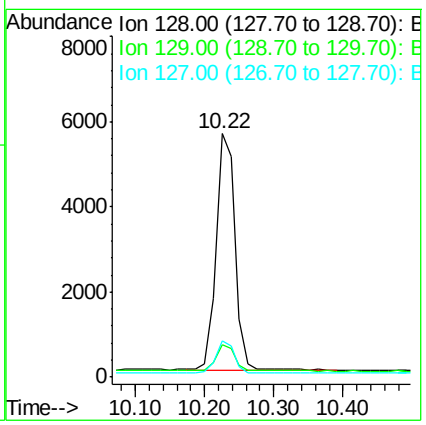


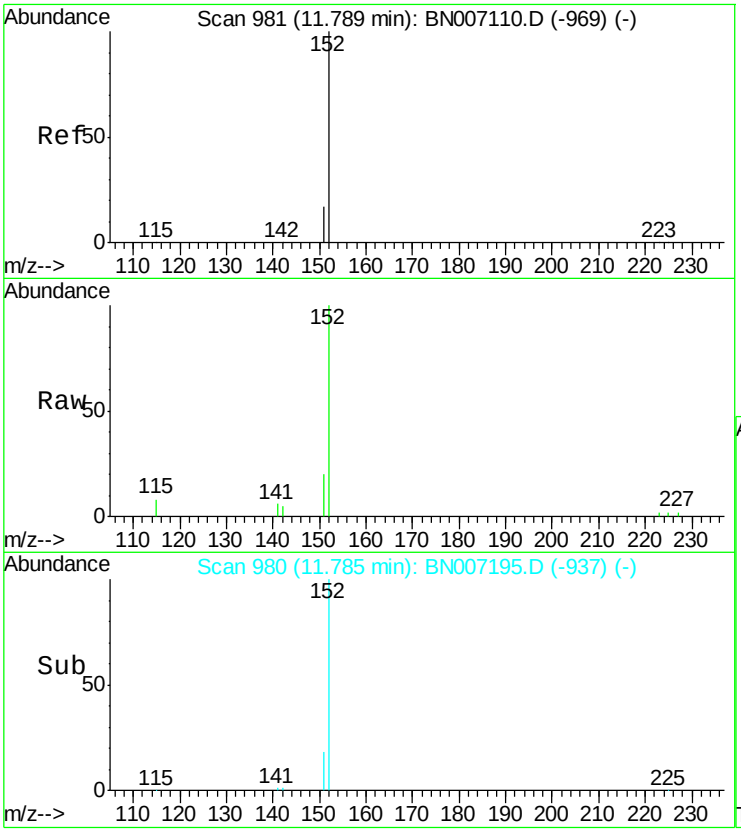


#8
Naphthalene
Concen: 0.091 ng
RT: 10.22 min Scan# 816
Delta R.T. -0.01 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Tgt Ion:128 Resp: 10610

Ion	Ratio	Lower	Upper
128	100		
129	13.2	9.4	14.2
127	14.6	11.0	16.6



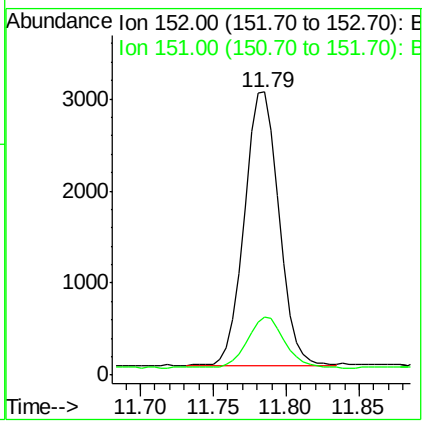


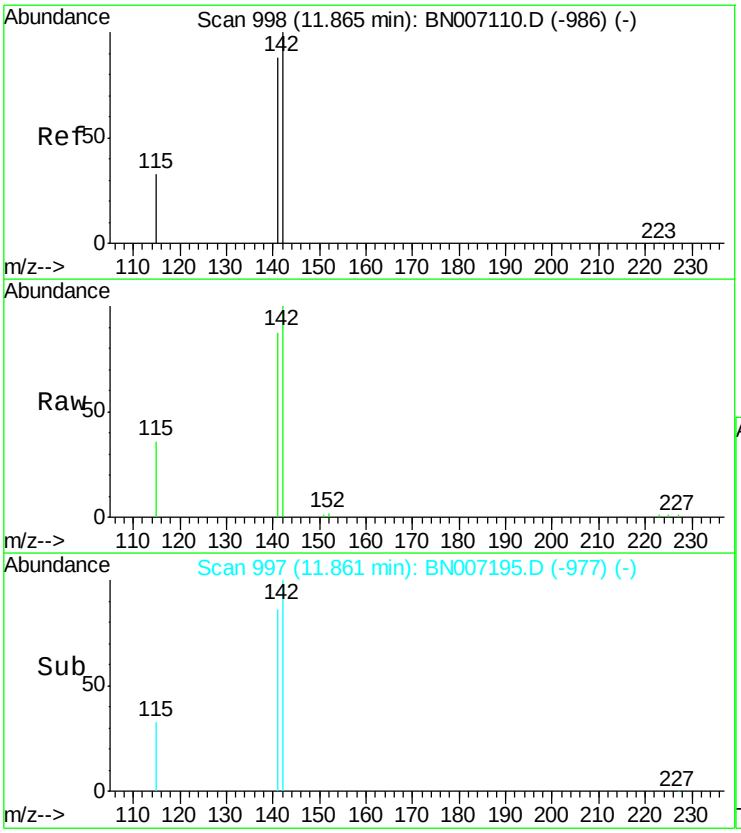
#10
2-Methylnaphthalene-d10
Concen: 0.064 ng
RT: 11.79 min Scan# 980
Delta R.T. -0.01 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 4930

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.5	23.3

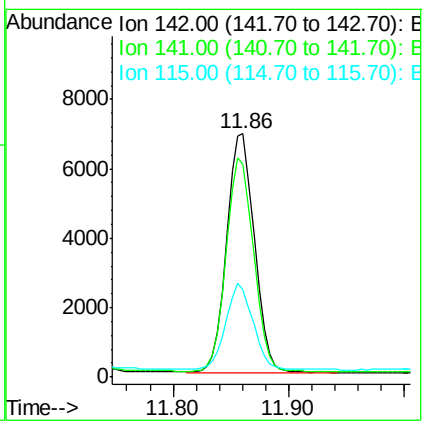


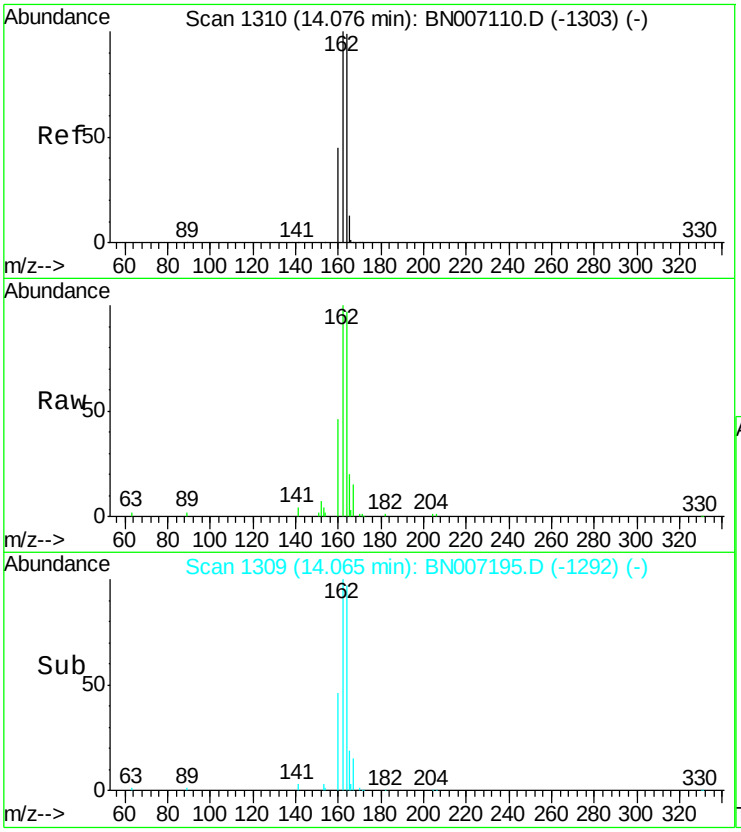


#11
2-Methylnaphthalene
Concen: 0.137 ng
RT: 11.86 min Scan# 997
Delta R.T. -0.01 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Tgt Ion:142 Resp: 11257

Ion	Ratio	Lower	Upper
142	100		
141	87.2	69.0	103.6
115	35.7	27.1	40.7



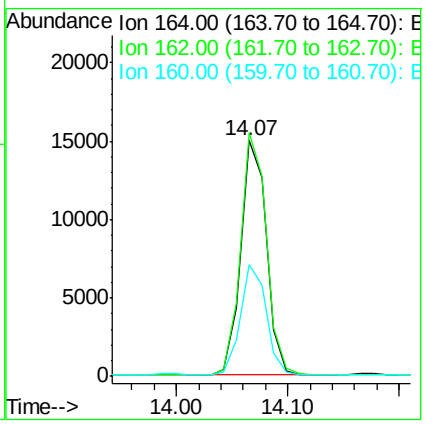


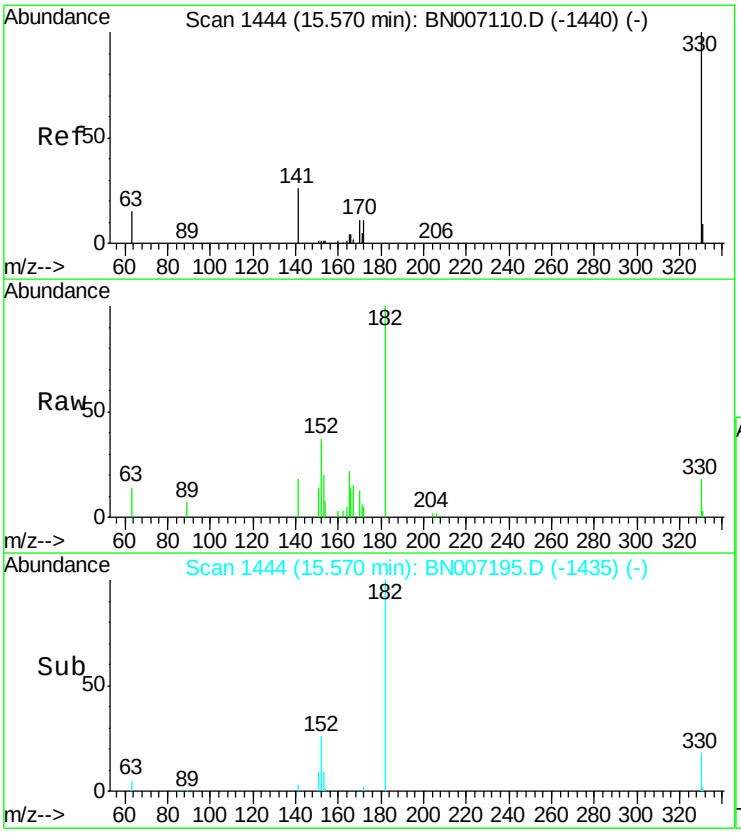
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:164 Resp: 23782

Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.2	123.4
160	47.6	38.3	57.5

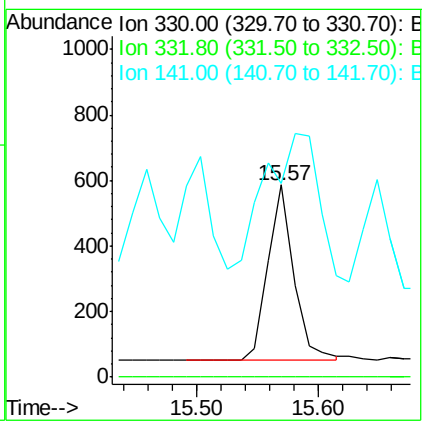


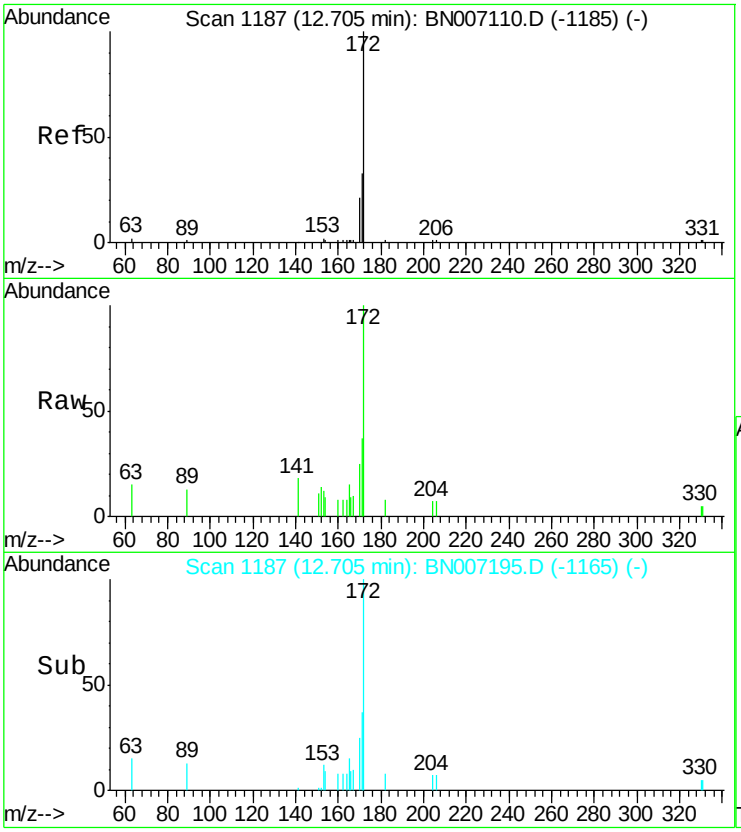


#13
2,4,6-Tribromophenol
Concen: 0.062 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Tgt Ion:330 Resp: 799

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	161.6	33.6	50.4#



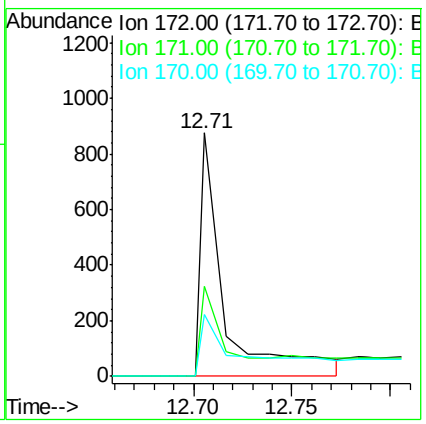


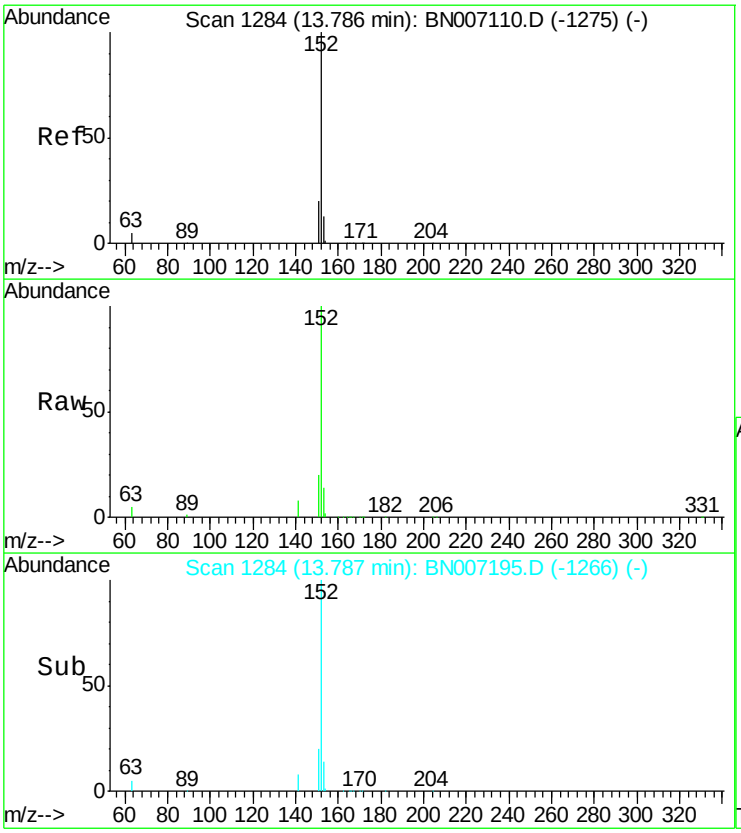
#14
2-Fluorobiphenyl
Concen: 0.023 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:172 Resp: 785

Ion	Ratio	Lower	Upper
172	100		
171	36.8	26.3	39.5
170	25.2	17.0	25.4

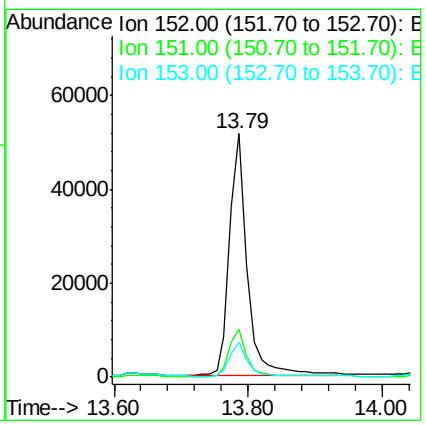


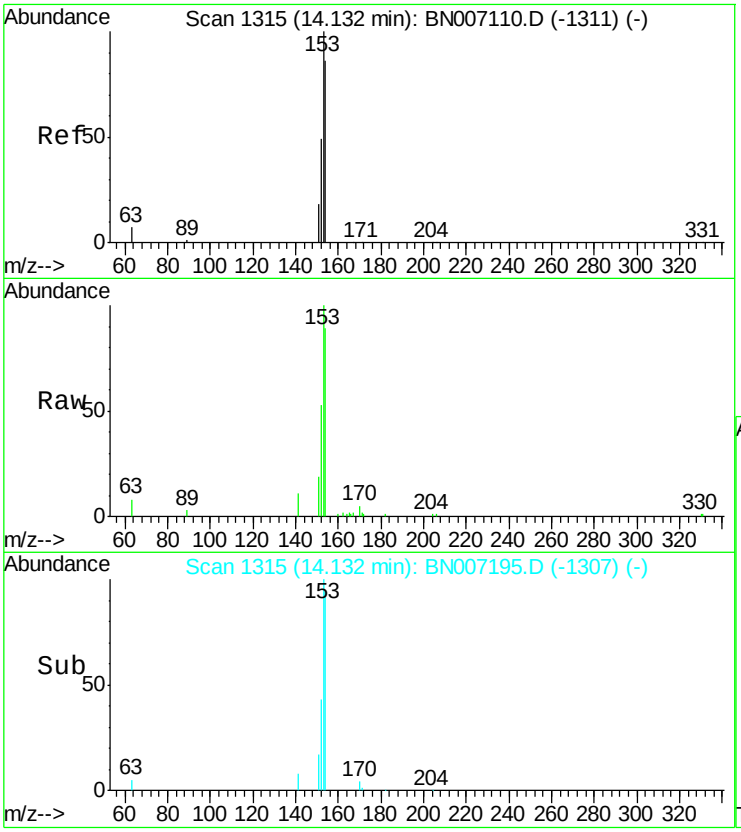


#15
Acenaphthylene
Concen: 0.752 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Tgt Ion:152 Resp: 93464

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	13.8	10.4	15.6



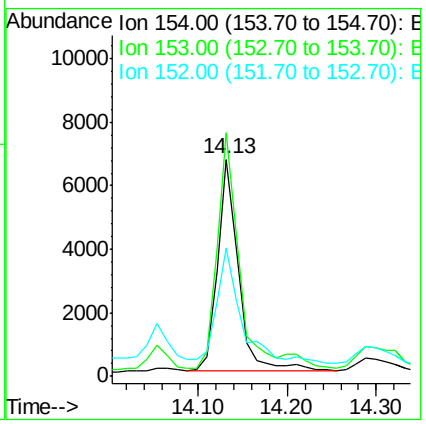


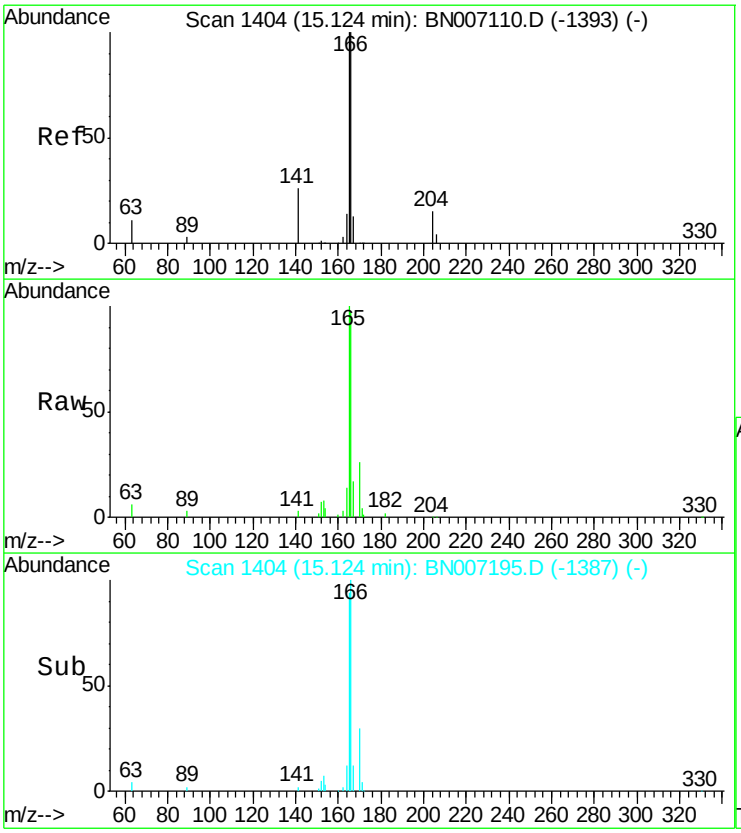
#16
Acenaphthene
Concen: 0.135 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:154 Resp: 10778

Ion	Ratio	Lower	Upper
154	100		
153	121.1	89.5	134.3
152	56.0	44.8	67.2

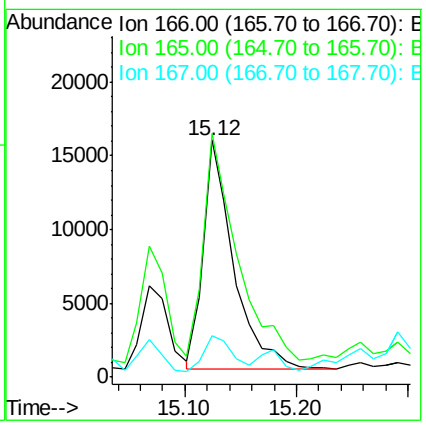


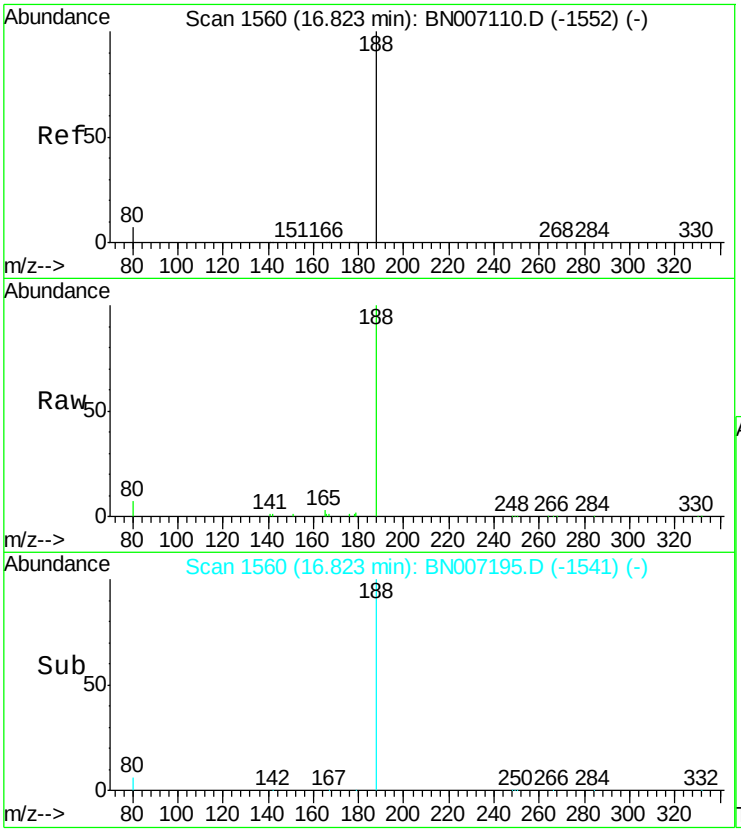


#17
Fluorene
Concen: 0.247 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Tgt Ion:166 Resp: 29403

Ion	Ratio	Lower	Upper
166	100		
165	110.7	77.9	116.9
167	15.1	10.9	16.3



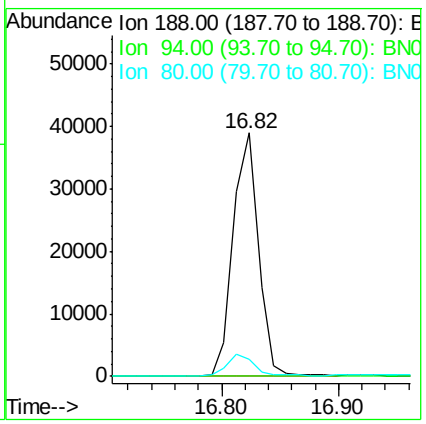


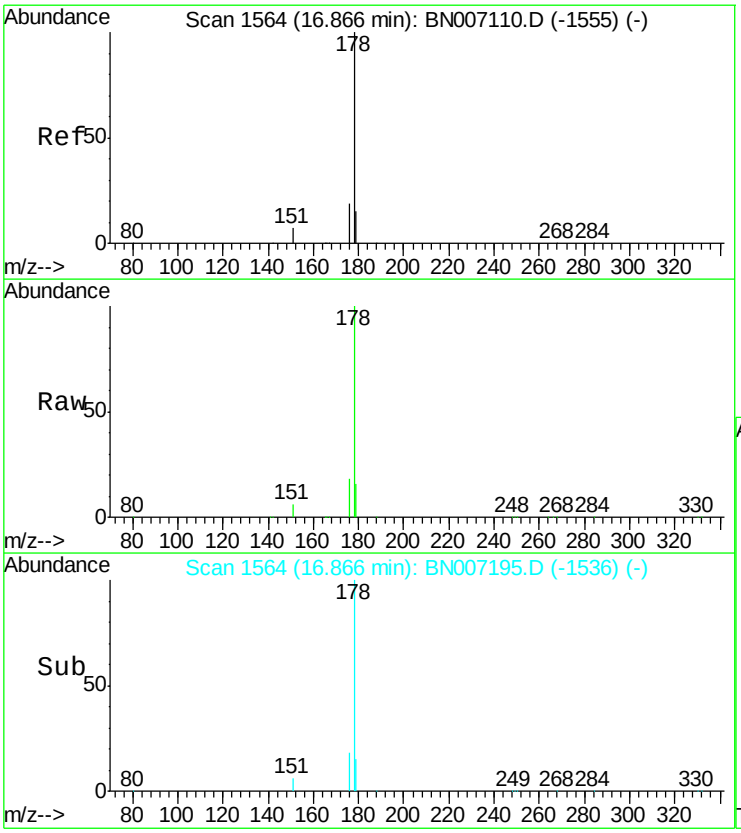
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:188 Resp: 57473

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

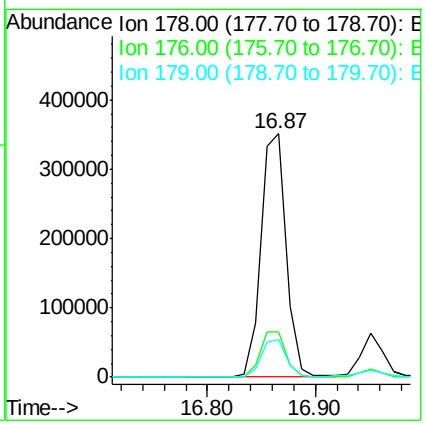


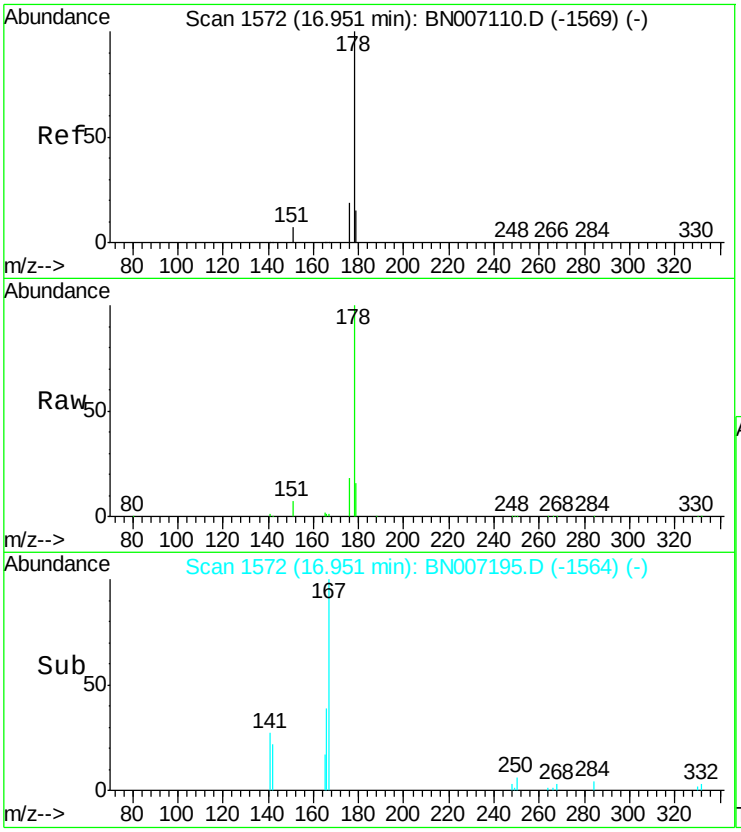


#22
Phenanthrene
Concen: 3.283 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Tgt Ion:178 Resp: 565409

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.5	12.3	18.5



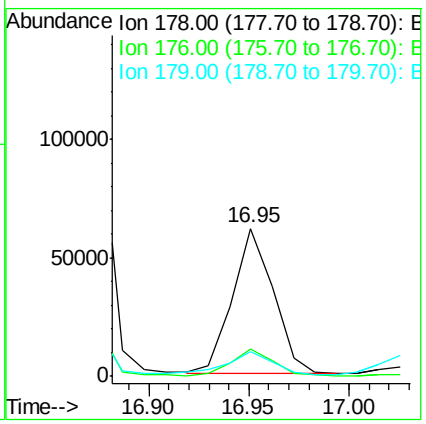


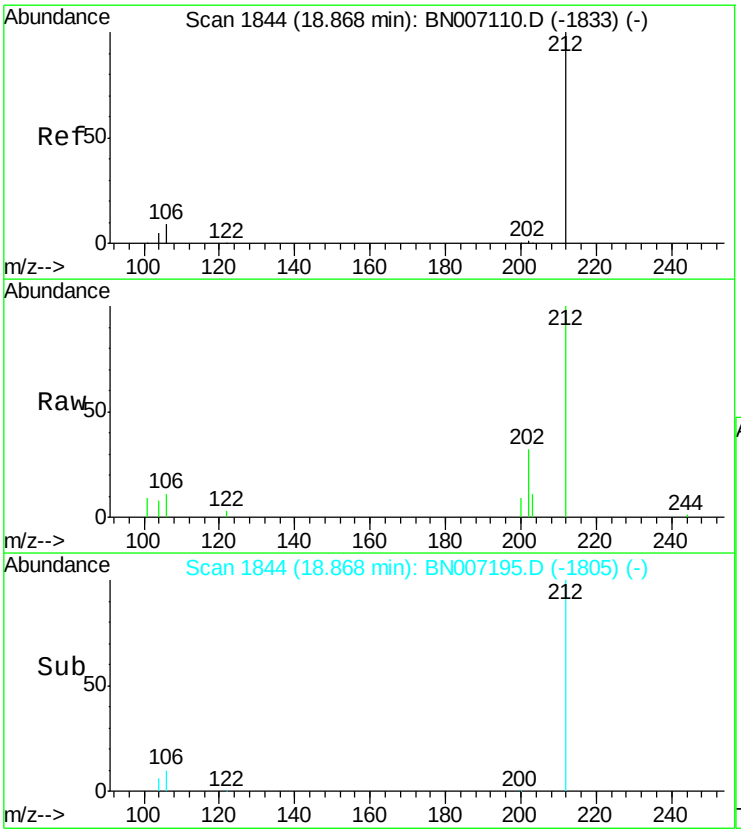
#23
Anthracene
Concen: 0.553 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 86978

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	17.0	12.5	18.7

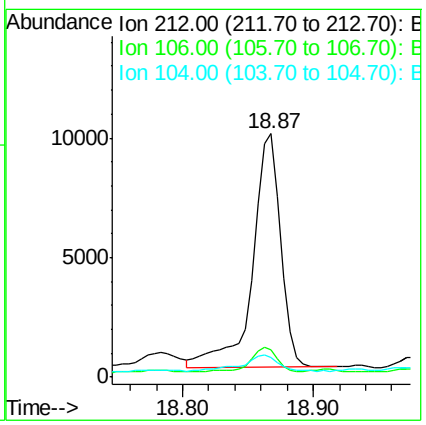


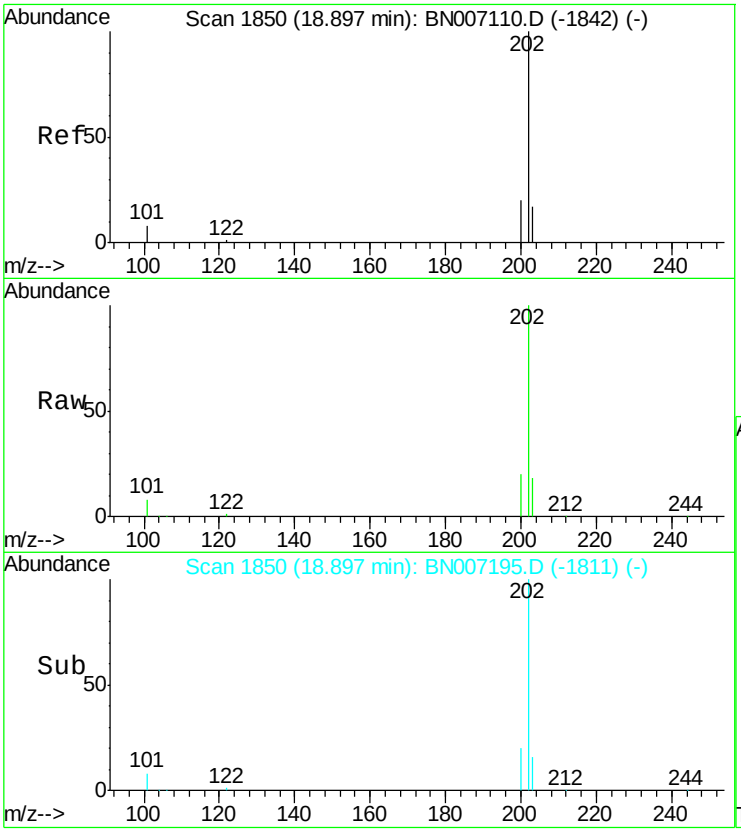


#24
Fluoranthene-d10
Concen: 0.073 ng
RT: 18.87 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Tgt Ion:212 Resp: 14853

Ion	Ratio	Lower	Upper
212	100		
106	9.9	8.2	12.2
104	8.7	4.5	6.7#



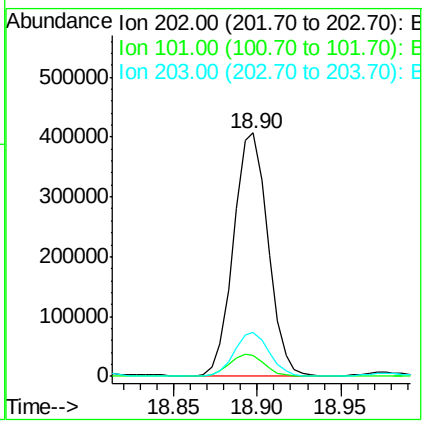


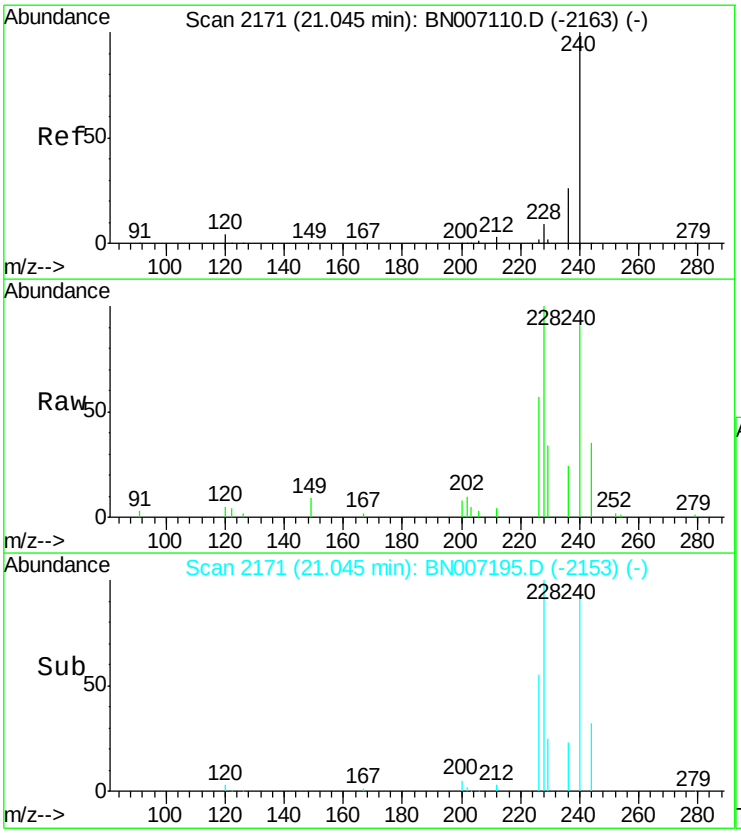
#25
Fluoranthene
Concen: 2.653 ng
RT: 18.90 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:202 Resp: 584632

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.0	10.4
203	18.0	13.8	20.8

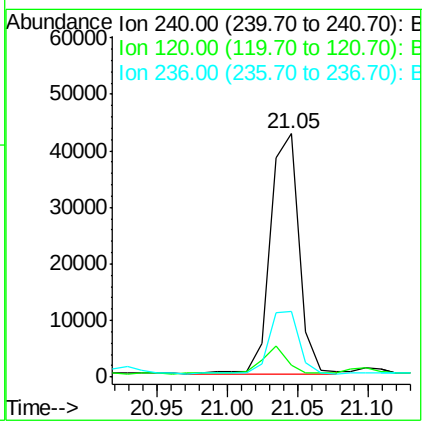


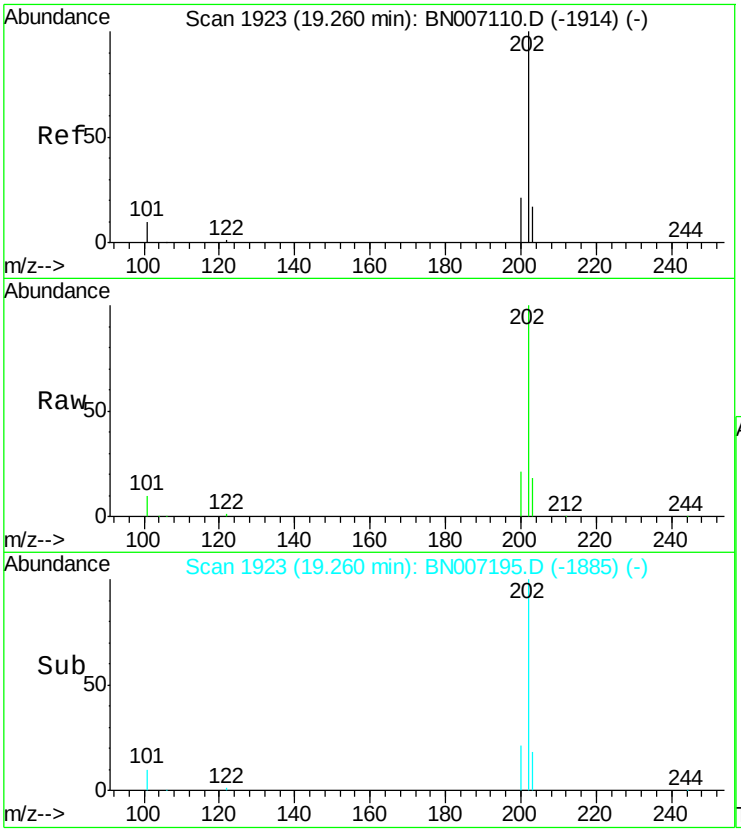


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Tgt Ion:240 Resp: 60732

Ion	Ratio	Lower	Upper
240	100		
120	5.1	4.0	6.0
236	26.9	21.3	31.9



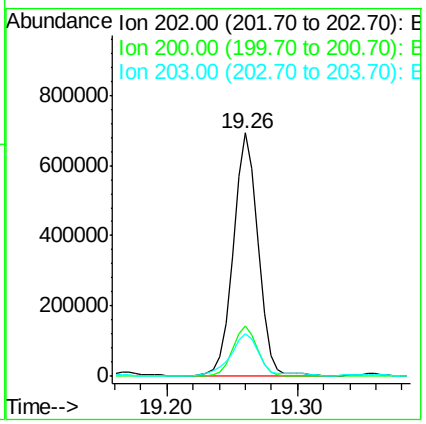


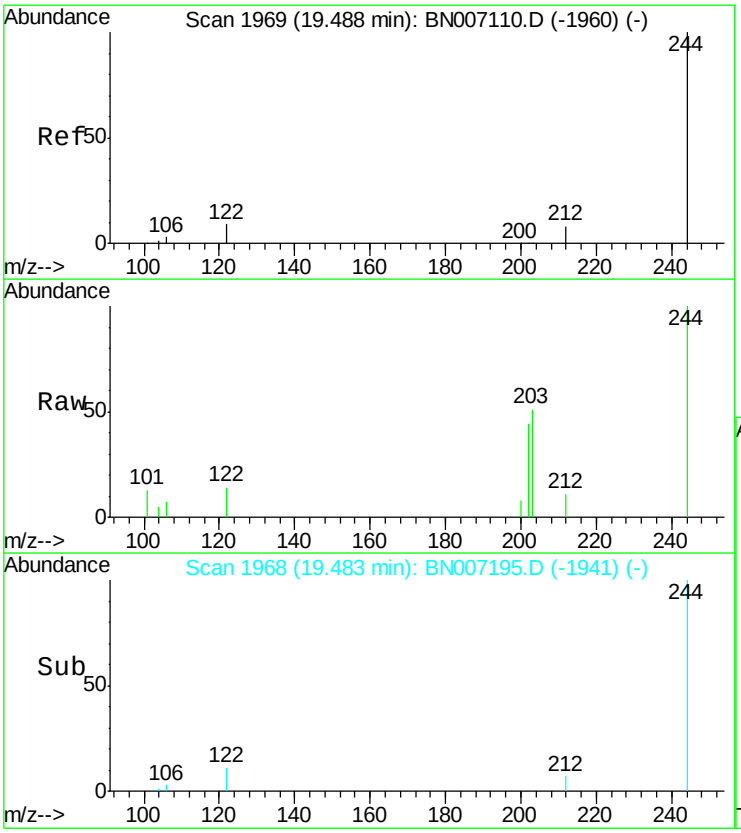
#27
Pyrene
Concen: 4.316 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:202 Resp: 919304

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	19.8	14.0	21.0

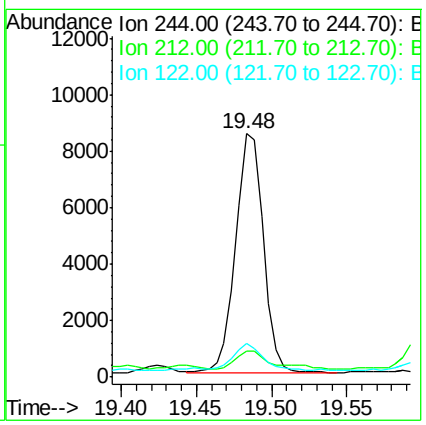


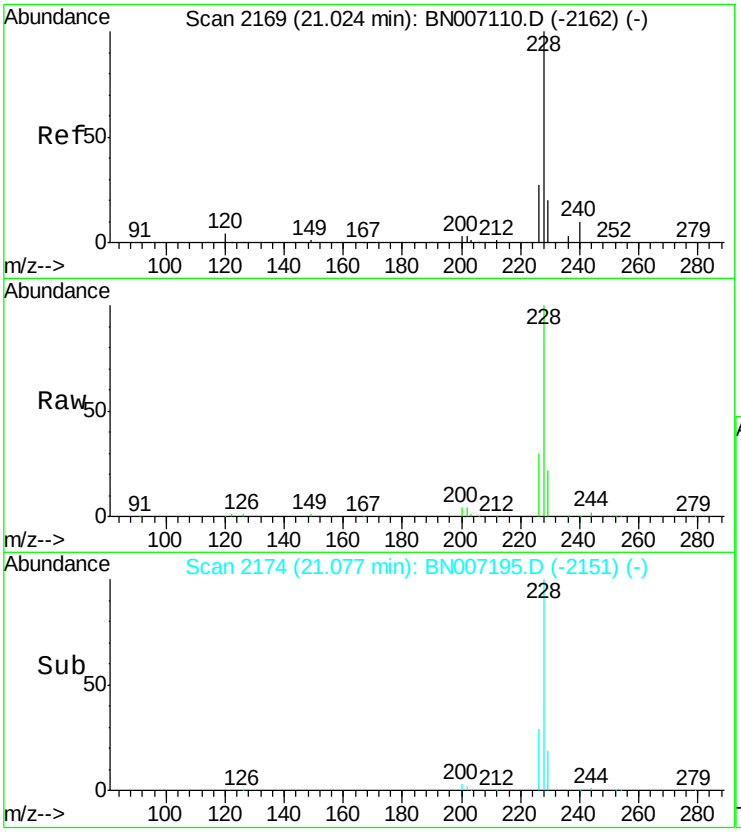


#28
Terphenyl-d14
Concen: 0.066 ng
RT: 19.48 min Scan# 1968
Delta R.T. -0.02 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Tgt Ion:244 Resp: 10889

Ion	Ratio	Lower	Upper
244	100		
212	10.7	6.2	9.2#
122	13.6	7.4	11.2#



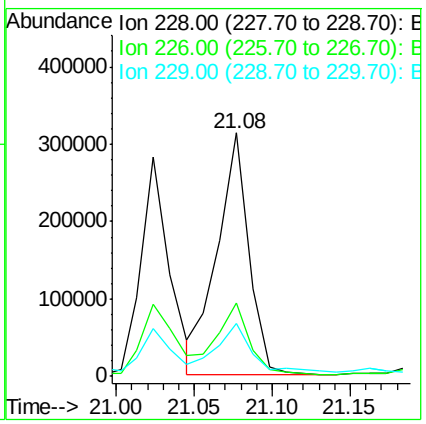


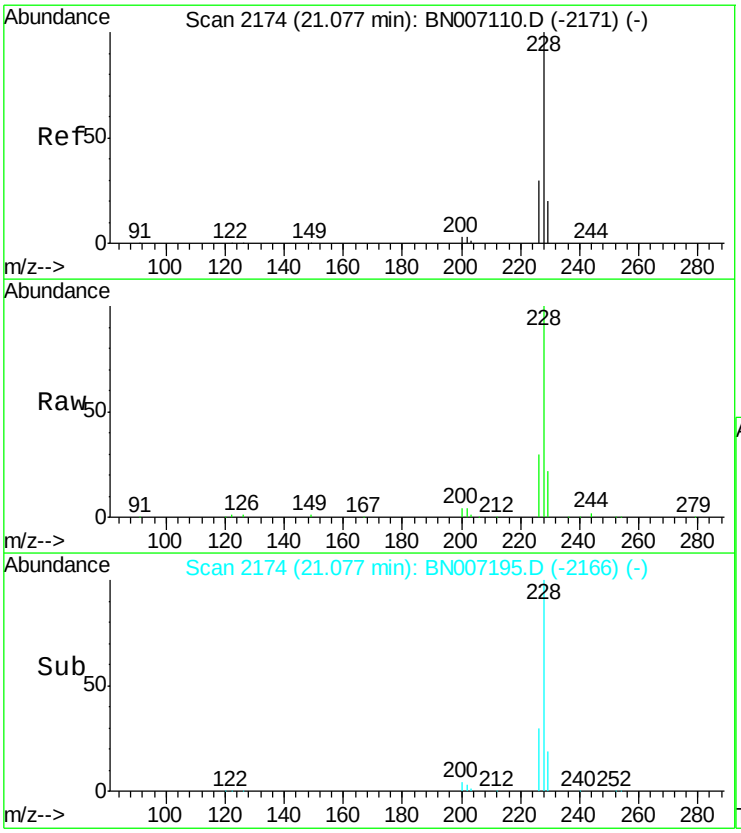
#29
Benzo(a)anthracene
Concen: 1.975 ng
RT: 21.08 min Scan# 2174
Delta R.T. 0.04 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 438611

Ion	Ratio	Lower	Upper
228	100		
226	30.2	21.8	32.6
229	21.6	15.6	23.4

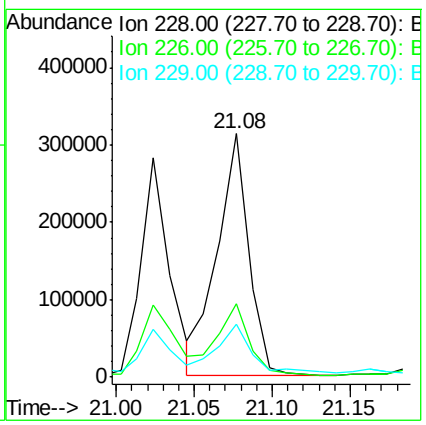


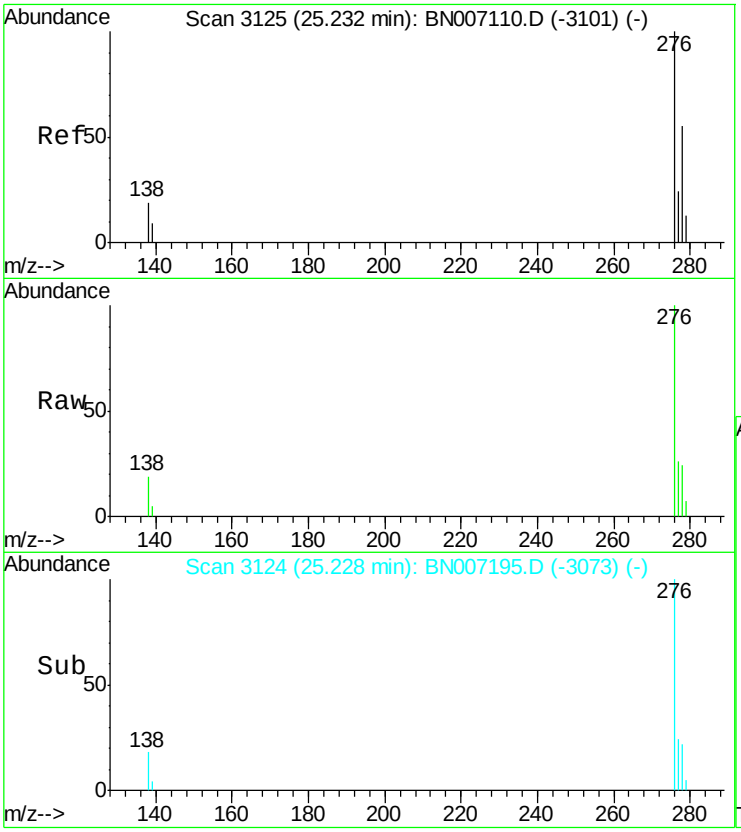


#30
Chrysene
Concen: 2.033 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Tgt Ion:228 Resp: 438611

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.8	35.6
229	21.6	15.7	23.5



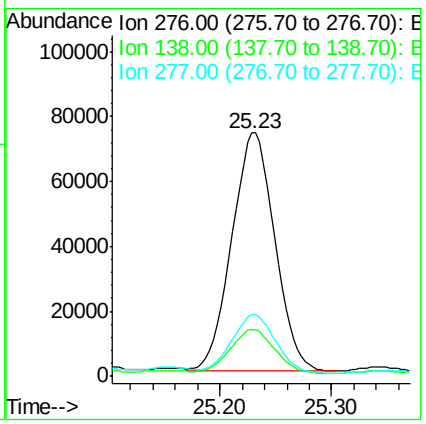


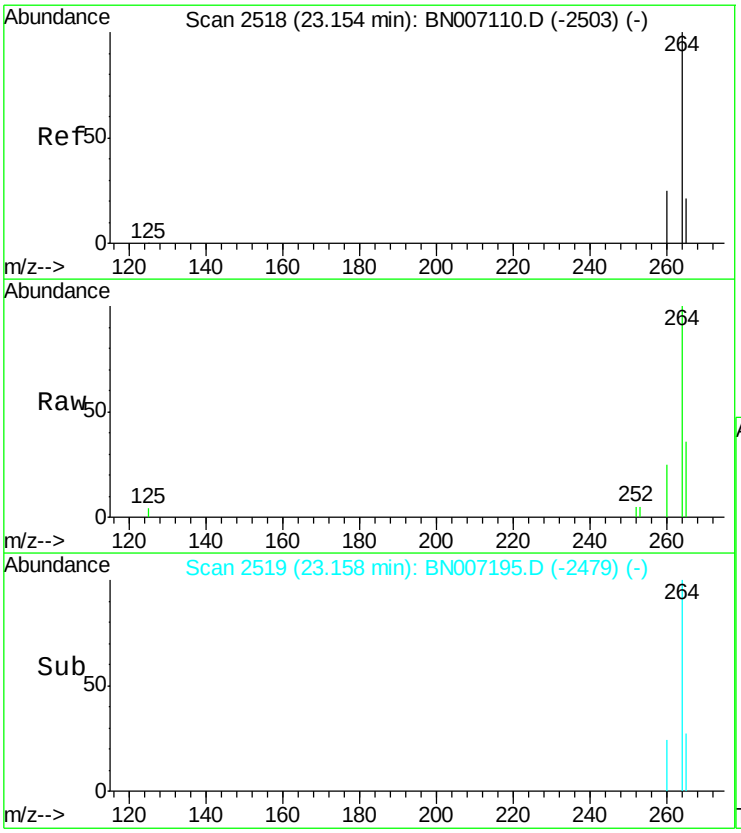
#31
Indeno(1,2,3-cd)pyrene
Concen: 0.822 ng
RT: 25.23 min Scan# 3124
Delta R.T. -0.02 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 195546

Ion	Ratio	Lower	Upper
276	100		
138	18.8	16.0	24.0
277	24.8	19.9	29.9

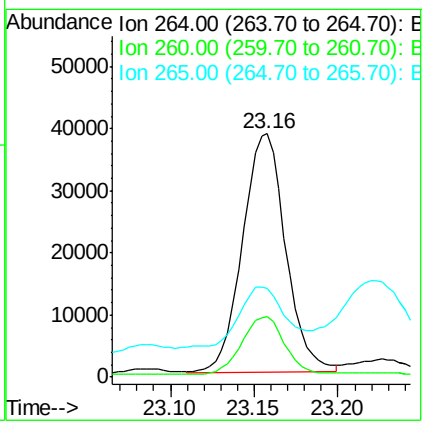


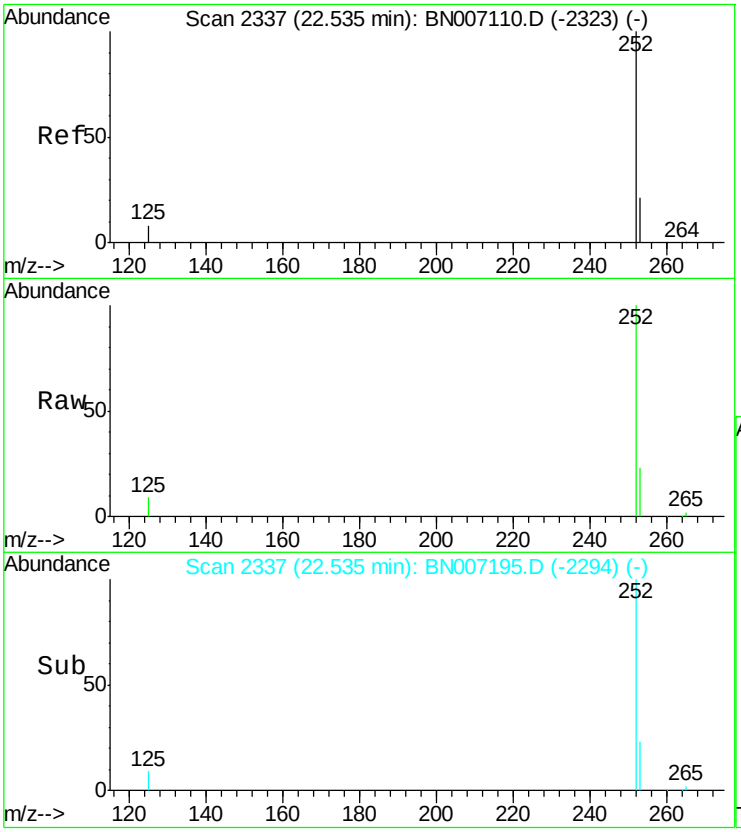


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Tgt Ion:264 Resp: 68866

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.8	29.8
265	36.2	26.2	39.4



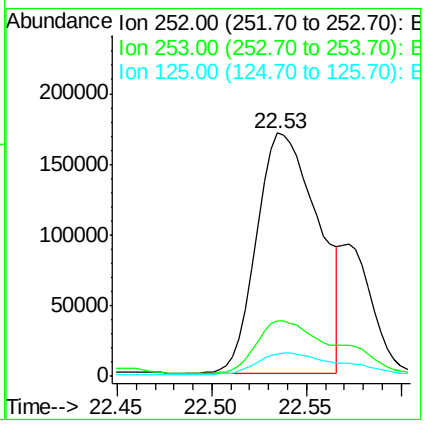


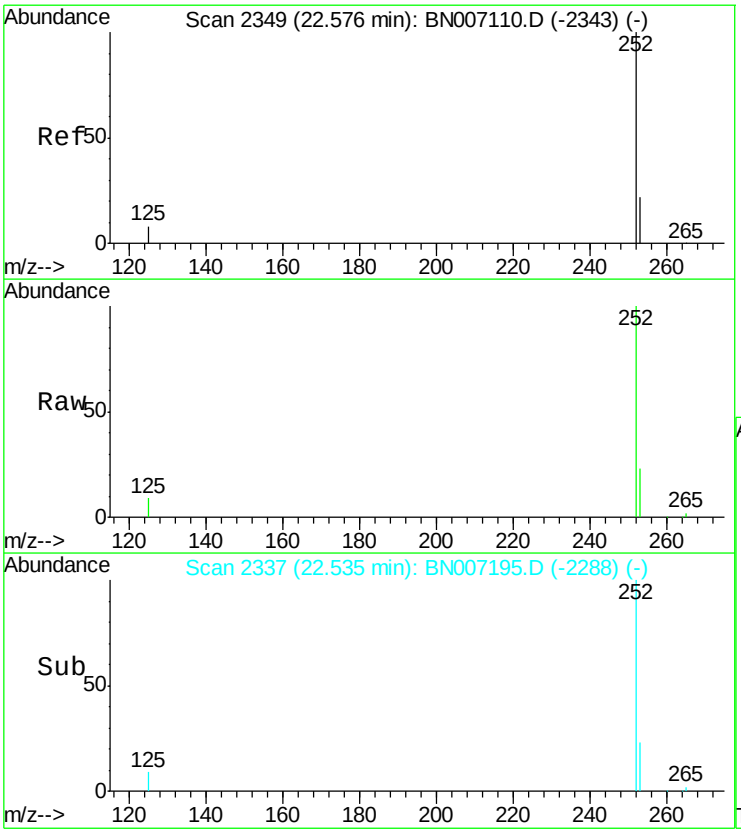
#33
Benzo(b)fluoranthene
Concen: 1.624 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 383464

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	9.3	7.4	11.0

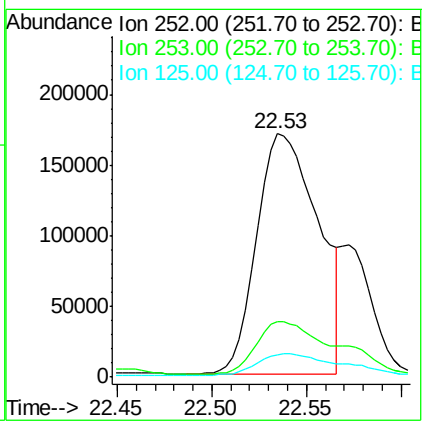


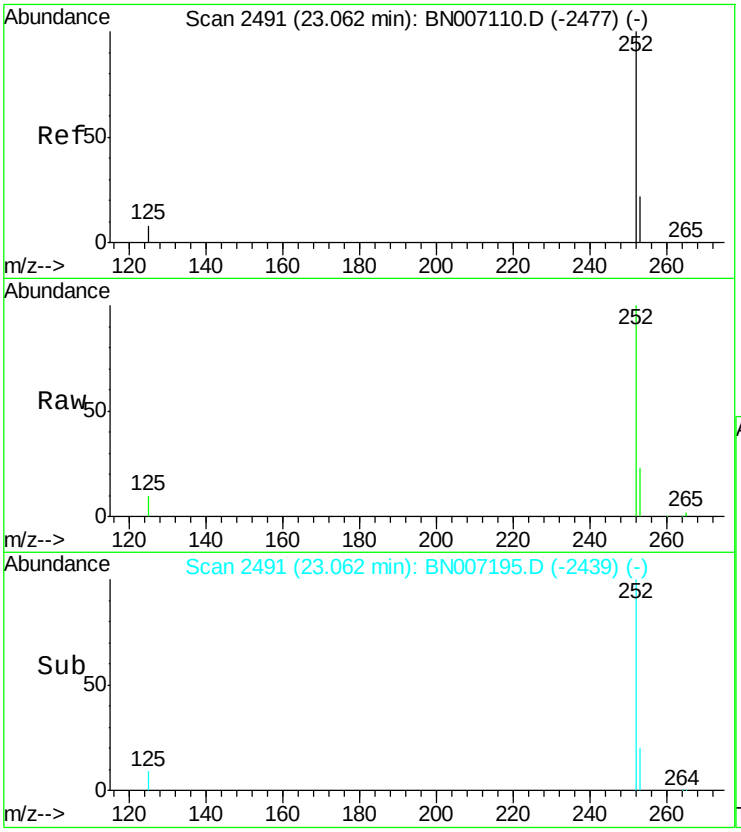


#34
Benzo(k)fluoranthene
Concen: 1.644 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.05 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Tgt Ion:252 Resp: 383464

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	9.3	7.4	11.0



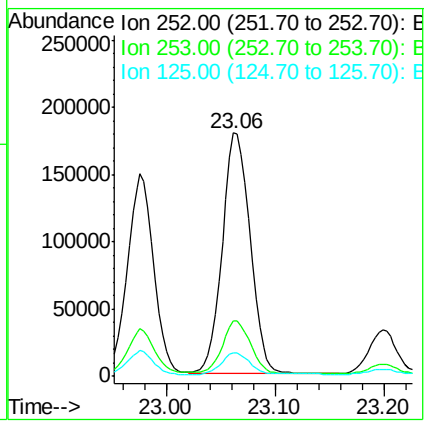


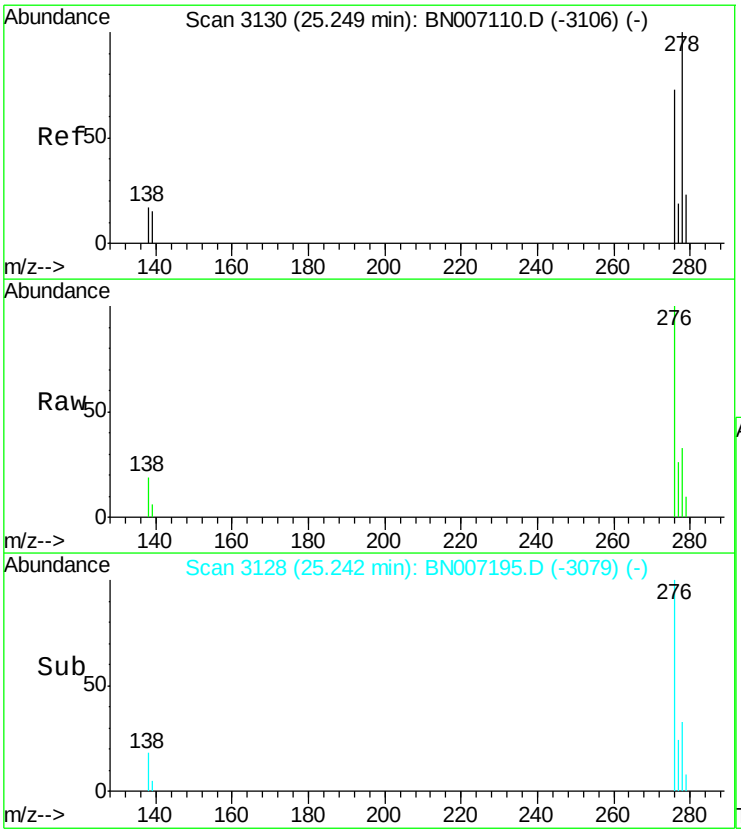
#35
Benzo(a)pyrene
Concen: 1.485 ng
RT: 23.06 min Scan# 2491
Delta R.T. -0.02 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 317912

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.5	27.7
125	9.8	8.2	12.4

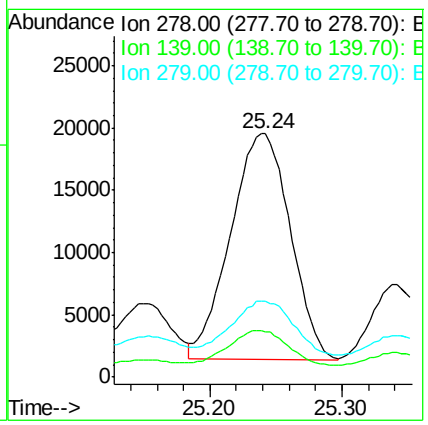


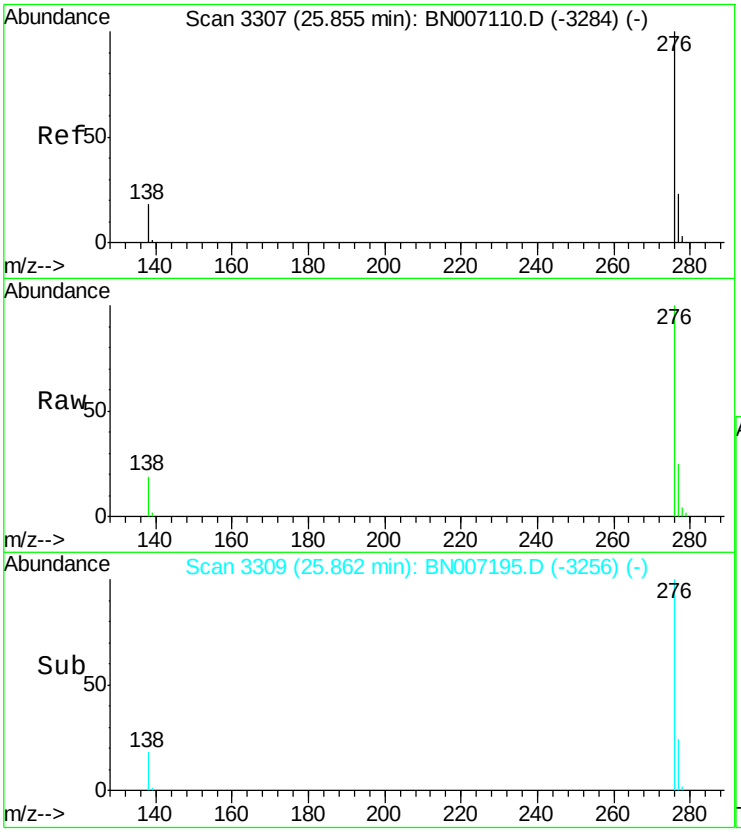


#36
Dibenzo(a,h)anthracene
Concen: 0.267 ng
RT: 25.24 min Scan# 3128
Delta R.T. -0.03 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Tgt Ion:278 Resp: 57001

Ion	Ratio	Lower	Upper
278	100		
139	18.6	11.3	16.9#
279	31.2	19.3	28.9#





#37
Benzo(g,h,i)perylene
Concen: 1.058 ng
RT: 25.86 min Scan# 3309
Delta R.T. -0.02 min
Lab File: BN007195.D
Acq: 15 Aug 2019 14:21

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 232557

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.8	29.8
138	19.3	14.6	22.0