Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122118\
Data File : BN004189.D
Acq On : 22 Dec 2018 08:45
Operator : JU/SJ
Sample : J6414-12
Misc : GC-MS Confirmation
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId :

Quant Time: Dec 24 07:10:55 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 24 07:07:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	31124	20.00	ng/ul	0.00
18) Naphthalene-d8	10.62	136	150044	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.46	164	92861	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.22	188	197682	20.00	ng/ul	0.01
77) Chrysene-d12	21.42	240	185065	20.00	ng/ul	0.02
85) Perylene-d12	23.73	264	178970	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	0.00	99	0	0.00	ng/ul	
7) Bis-(2-Chloroethyl)ether-d	0.00	67	0	0.00	ng/ul	
9) 2-Chlorophenol-d4	0.00	132	0	0.00	ng/ul	
13) 4-Methylphenol-d8	0.00	113	0	0.00	ng/ul	
19) Nitrobenzene-d5	0.00	128	0	0.00	ng/ul	
22) 2-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	0.00	165	0	0.00	ng/ul	
29) 4-Chloroaniline-d4	10.72	131	999	0.43	ng/ul	-0.05
43) Dimethylphthalate-d6	0.00	166	0	0.00	ng/ul	
46) Acenaphthylene-d8	0.00	160	0	0.00	ng/ul	
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.46	176	628	0.09	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.22	188	197682	19.79	ng/ul	-0.09
78) Pyrene-d10	19.63	212	1784	0.22	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.63	264	2204	0.23	ng/ul	0.06
Target Compounds						Qvalue
17) Hexachloroethane	8.99	117	2683	3.083	ng/ul#	6
28) Naphthalene	10.67	128	455667	56.603	ng/ul	99
30) 4-Chloroaniline	10.67	127	60150	25.634	ng/ul#	5
34) 2-Methylnaphthalene	12.28	142	212392	35.031	ng/ul	99
40) 1,1'-Biphenyl	13.29	154	86885	11.509	ng/ul	100
47) Acenaphthylene	14.19	152	11948	1.275	ng/ul#	78
49) Acenaphthene	14.53	153	810194	121.440	ng/ul	100
52) 4-Nitrophenol	14.53	109	1260	1.164	ng/ul#	1
53) Dibenzofuran	14.87	168	749555	79.150	ng/ul	99
58) Fluorene	15.52	166	1032562	130.952	ng/ul	99
60) 4-Nitroaniline	15.52	138	11615	5.595	ng/ul#	22
64) N-Nitrosodiphenylamine	15.72	169	7701	1.287	ng/ul#	1
69) Phenanthrene	17.29	178	5634729	493.330	ng/ul	97
71) Anthracene	17.36	178	1599899	136.649	ng/ul	99
76) Fluoranthene	19.31	202	5639740	402.835	ng/ul	98
79) Pyrene	19.67	202	4444324	429.861	ng/ul	98
82) Benzo(a)anthracene	21.40	228	2729348	236.507	ng/ul	97
84) Chrysene	21.46	228	2229216	206.232	ng/ul	98
87) Benzo(b)fluoranthene	23.04	252	1655680	154.436	ng/ul	97
88) Benzo(k)fluoranthene	23.08	252	672891	67.031	ng/ul	97
90) Benzo(a)pyrene	23.63	252	183985	17.820	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	26.10	276	288082	21.405	ng/ul	98
92) Dibenzo(a,h)anthracene	26.10	278	159494	14.256	ng/ul	97

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122118\
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Operator : JU/SJ
Sample : J6414-12
Misc : GC-MS Confirmation
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Dec 24 07:10:55 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 24 07:07:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(g,h,i)perylene	26.83	276	112579	9.994	ng/ul	98

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

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122118\
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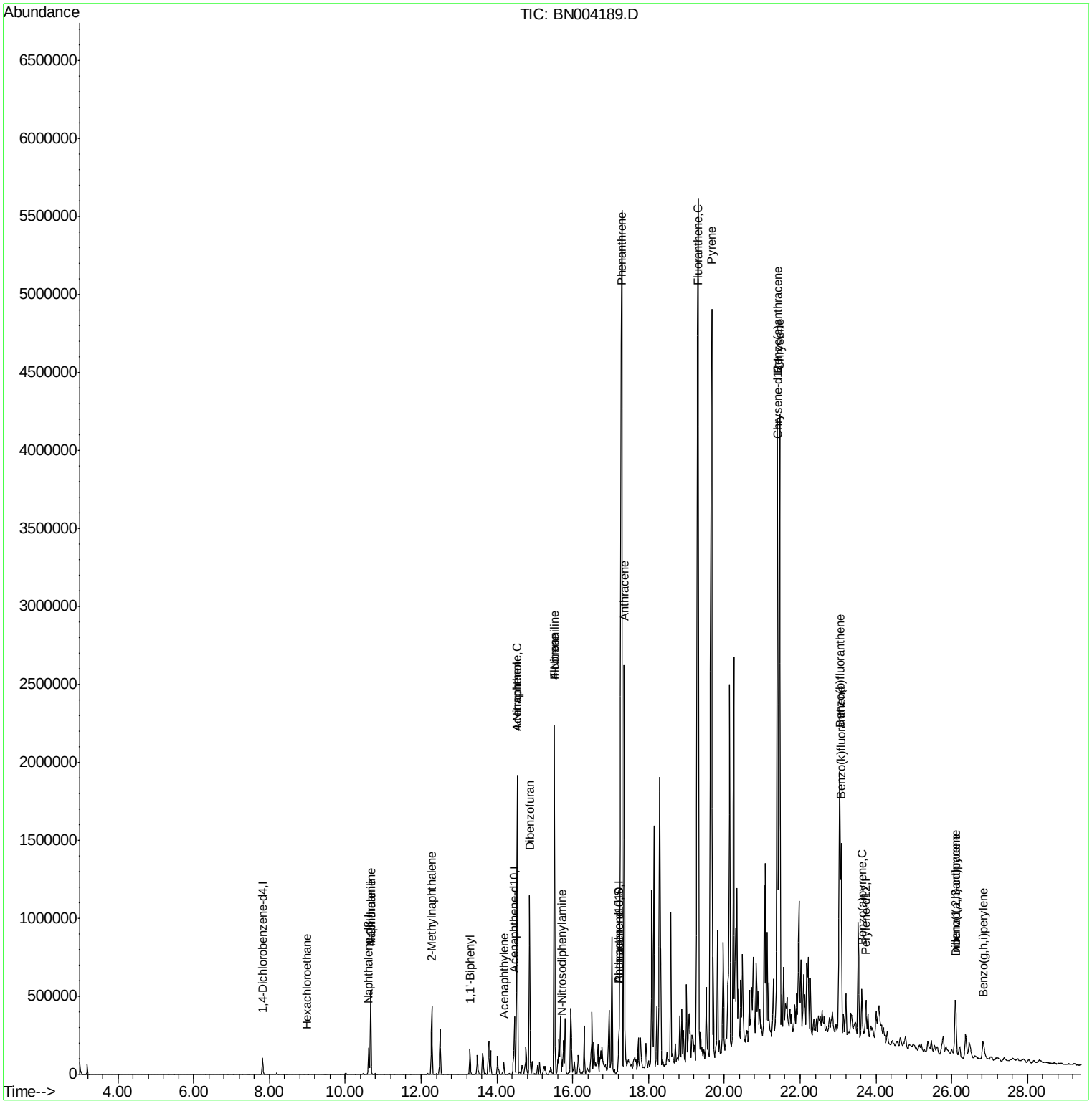
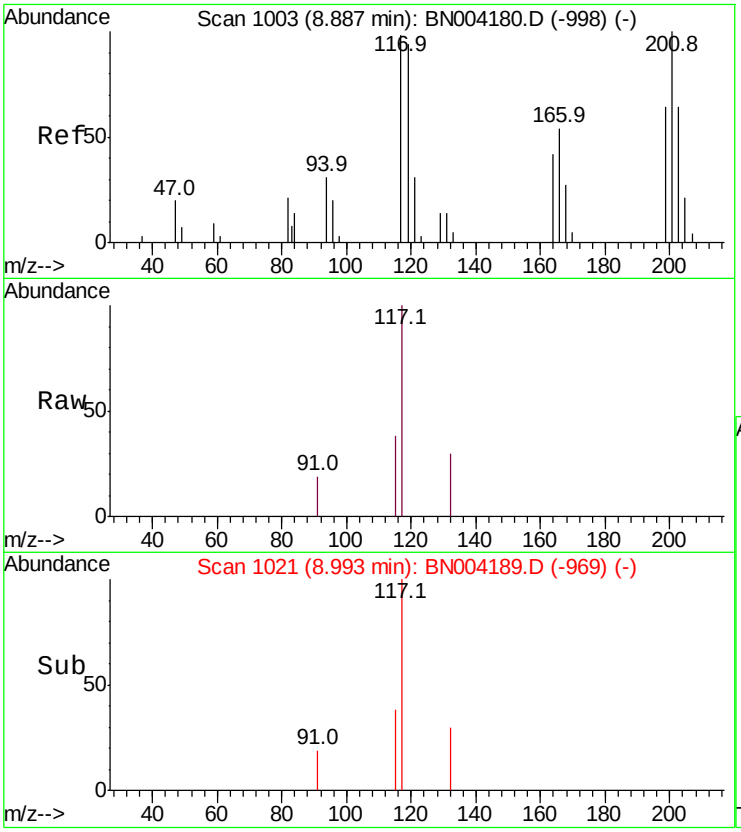
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 24 07:07:24 2018
Response via : Initial Calibration



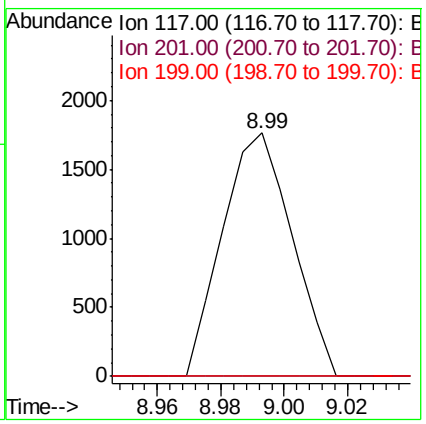


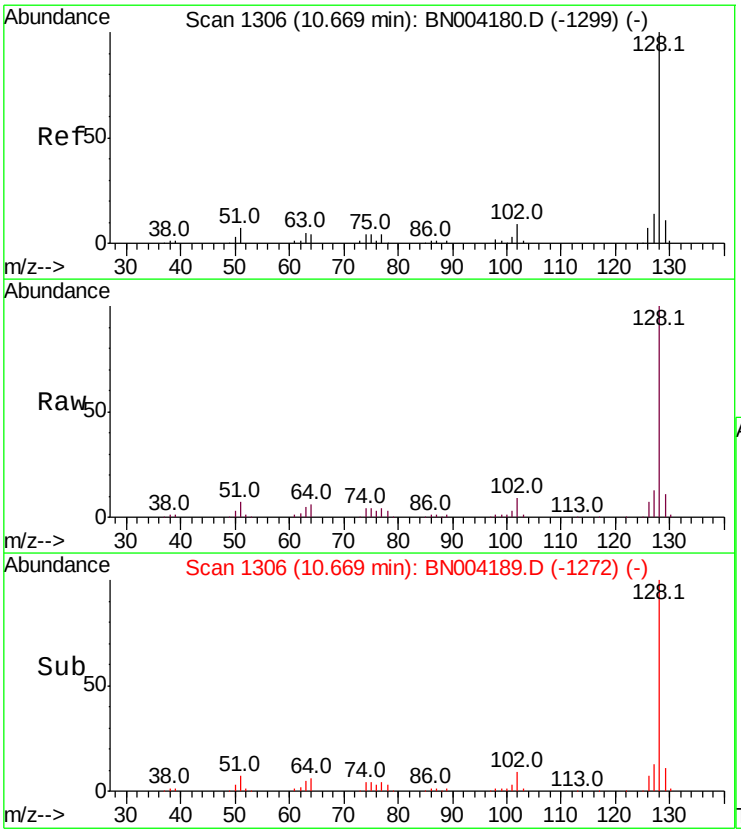
#17
Hexachloroethane
Concen: 3.083 ng/ul
RT: 8.99 min Scan# 1021
Delta R.T. 0.11 min
Lab File: BN004189.D
Acq: 22 Dec 2018 08:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:117 Resp: 2683

Ion	Ratio	Lower	Upper
117	100		
201	0.0	82.1	123.1#
199	0.0	50.6	76.0#

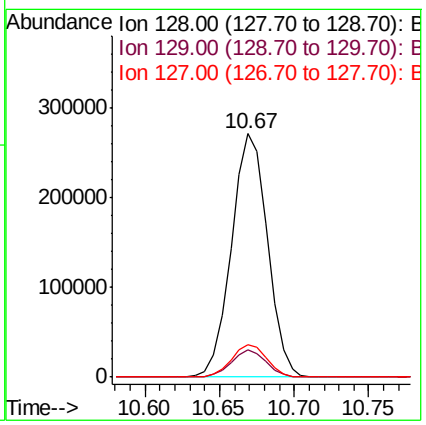


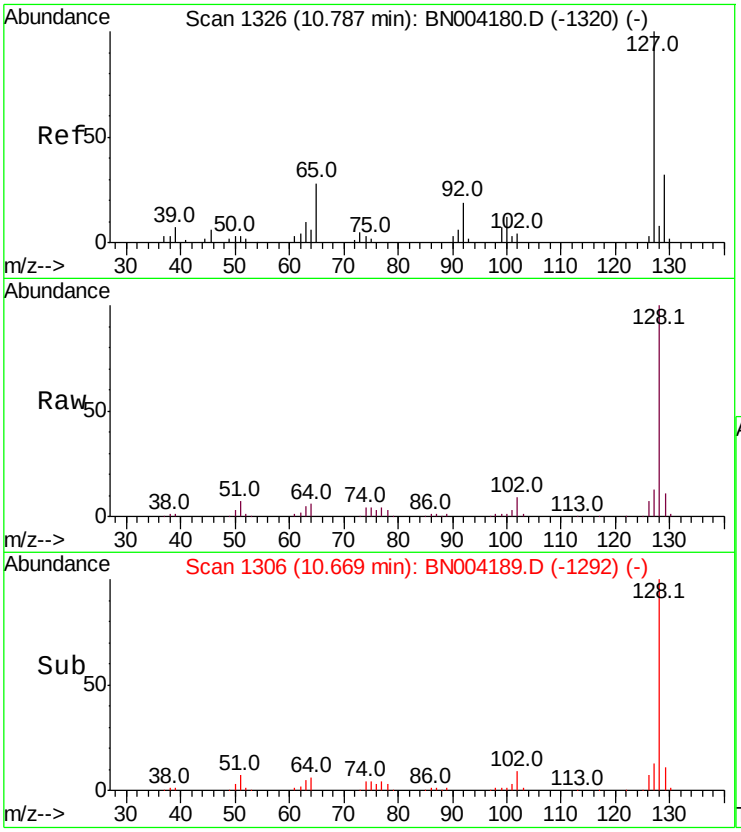


#28
Naphthalene
Concen: 56.603 ng/ul
RT: 10.67 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BN004189.D
Acq: 22 Dec 2018 08:45

Tgt Ion:128 Resp: 455667

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	12.8
127	13.3	10.6	16.0



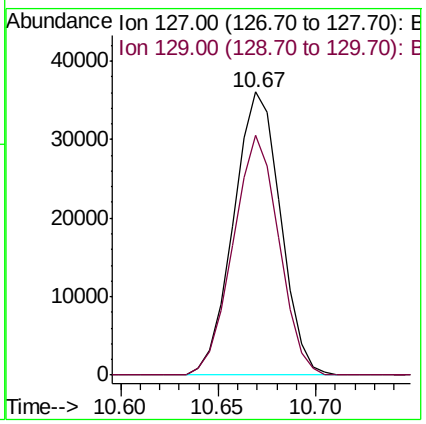


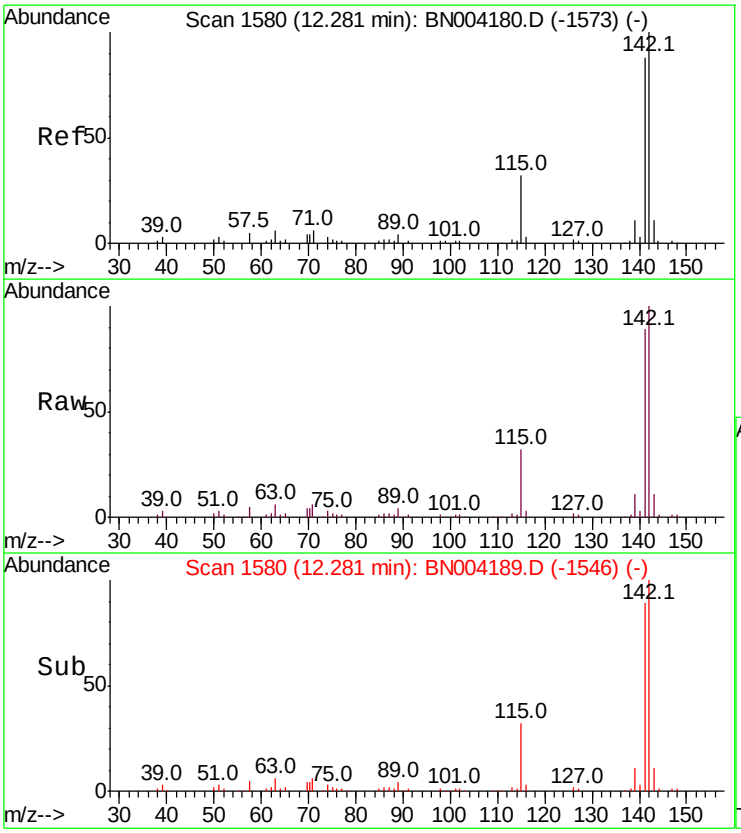
#30
4-Chloroaniline
Concen: 25.634 ng/ul
RT: 10.67 min Scan# 1306
Delta R.T. -0.12 min
Lab File: BN004189.D
Acq: 22 Dec 2018 08:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:127 Resp: 60150

Ion	Ratio	Lower	Upper
127	100		
129	84.5	25.5	38.3#

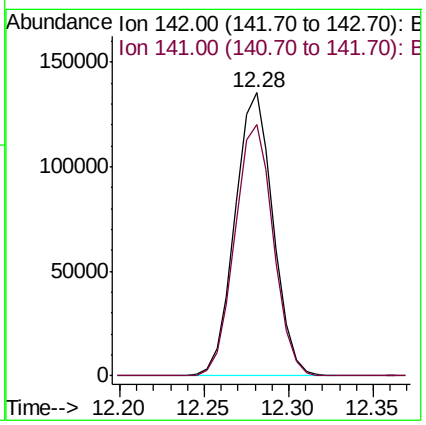


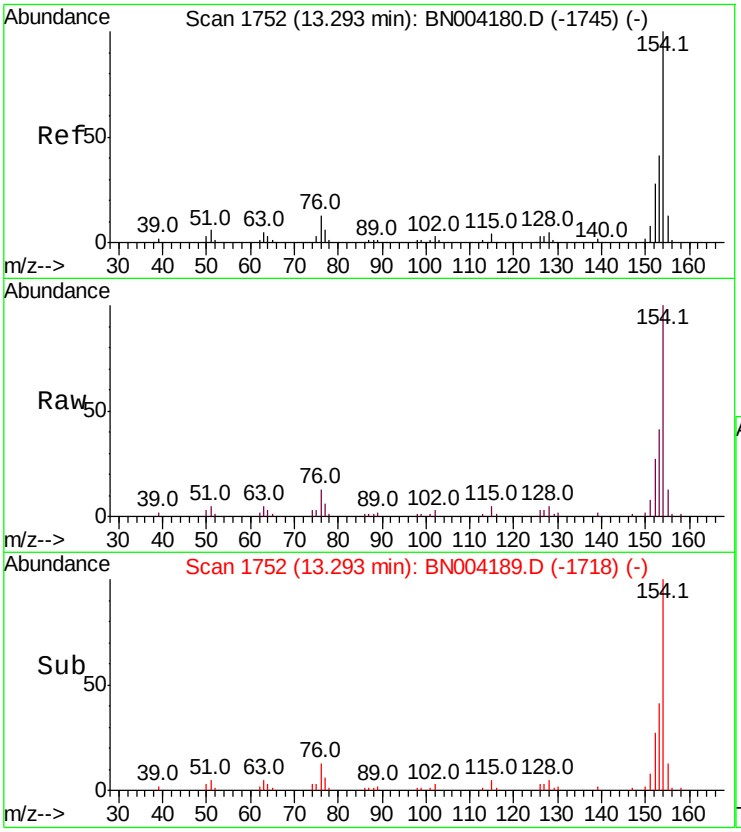


#34
2-Methylnaphthalene
Concen: 35.031 ng/ul
RT: 12.28 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BN004189.D
Acq: 22 Dec 2018 08:45

Tgt Ion:142 Resp: 212392

Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.2	105.2



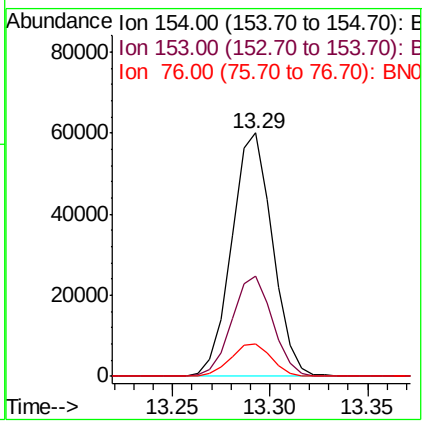


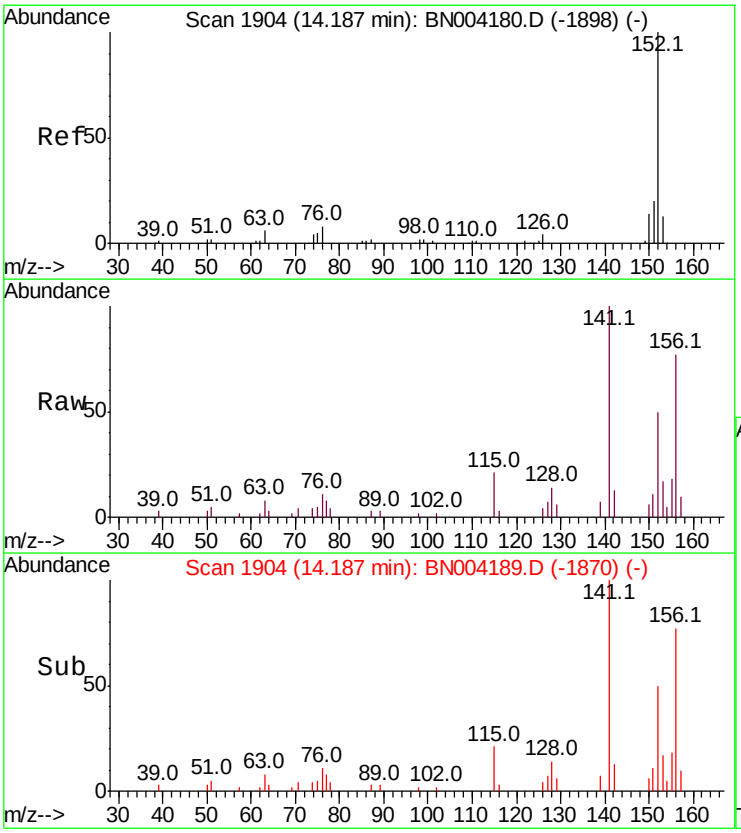
#40
1,1'-Biphenyl
Concen: 11.509 ng/ul
RT: 13.29 min Scan# 1752
Delta R.T. -0.00 min
Lab File: BN004189.D
Acq: 22 Dec 2018 08:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:154 Resp: 86885

Ion	Ratio	Lower	Upper
154	100		
153	41.4	33.1	49.7
76	13.1	10.6	16.0

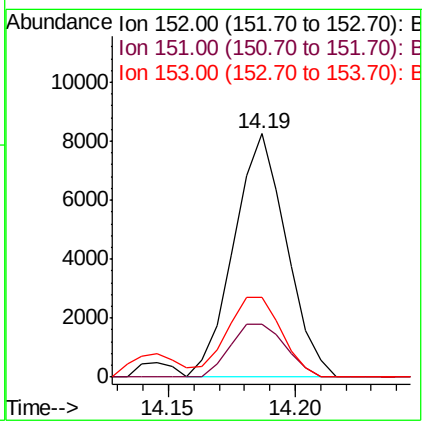


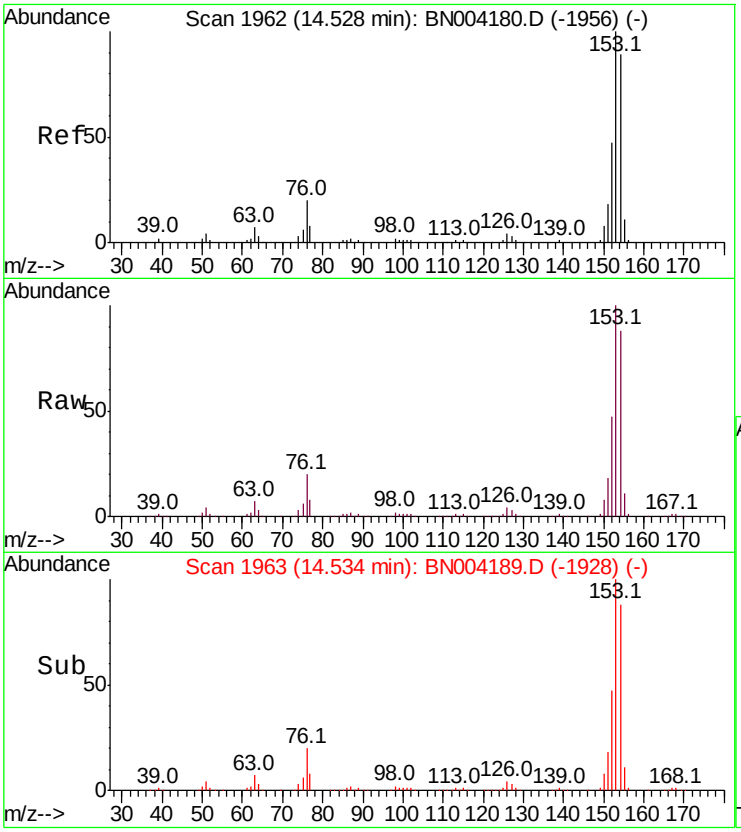


#47
Acenaphthylene
Concen: 1.275 ng/ul
RT: 14.19 min Scan# 1904
Delta R.T. -0.00 min
Lab File: BN004189.D
Acq: 22 Dec 2018 08:45

Tgt Ion:152 Resp: 11948

Ion	Ratio	Lower	Upper
152	100		
151	21.9	16.2	24.2
153	32.9	10.6	15.8#



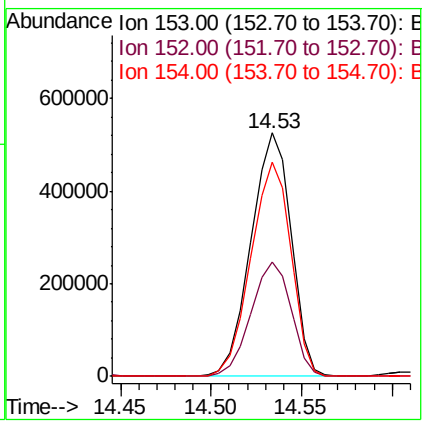


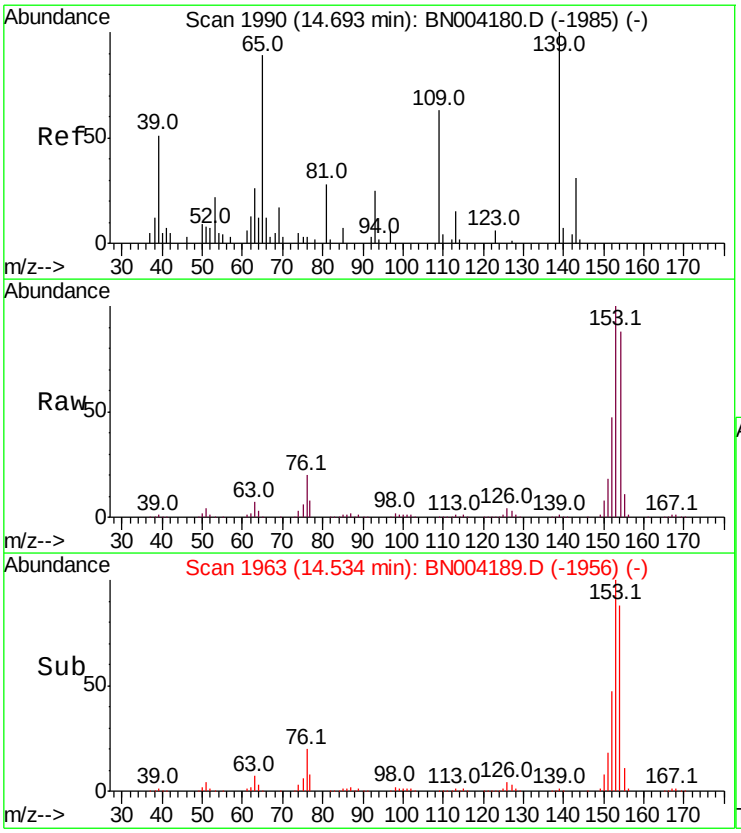
#49
Acenaphthene
Concen: 121.440 ng/ul
RT: 14.53 min Scan# 1963
Delta R.T. 0.01 min
Lab File: BN004189.D
Acq: 22 Dec 2018 08:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:153 Resp: 810194

Ion	Ratio	Lower	Upper
153	100		
152	47.2	37.8	56.6
154	88.1	71.0	106.6

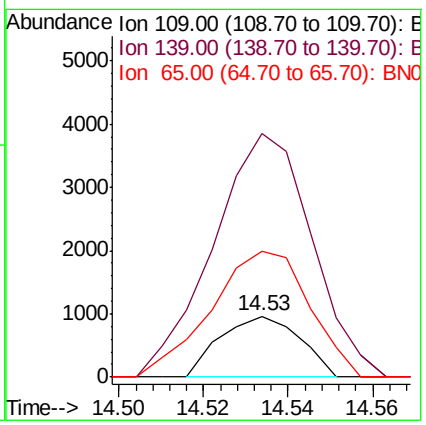


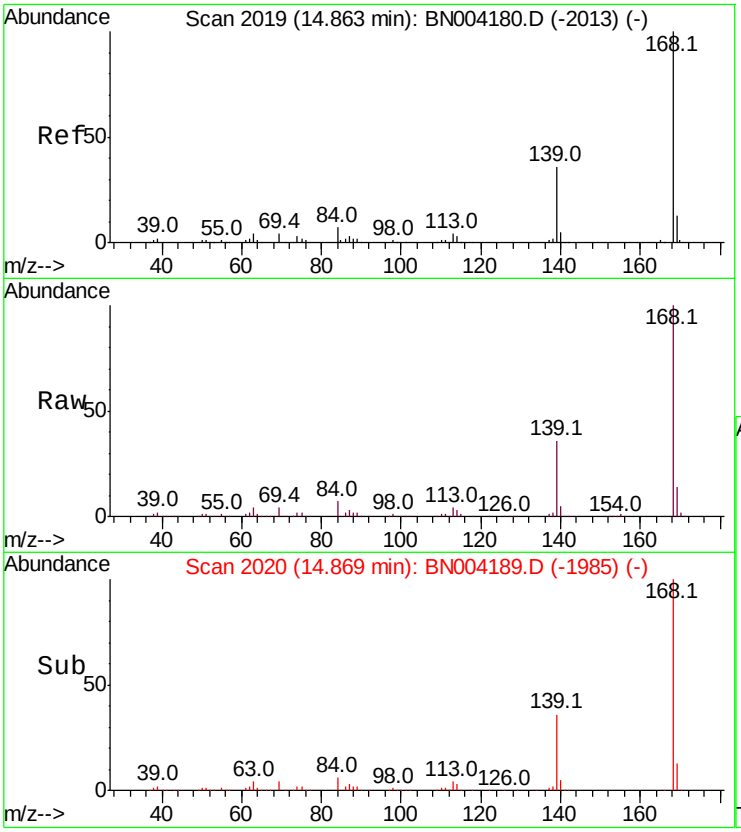


#52
4-Nitrophenol
Concen: 1.164 ng/ul
RT: 14.53 min Scan# 1963
Delta R.T. -0.16 min
Lab File: BN004189.D
Acq: 22 Dec 2018 08:45

Tgt Ion:109 Resp: 1260

Ion	Ratio	Lower	Upper
109	100		
139	398.9	125.0	187.4#
65	206.2	110.8	166.2#



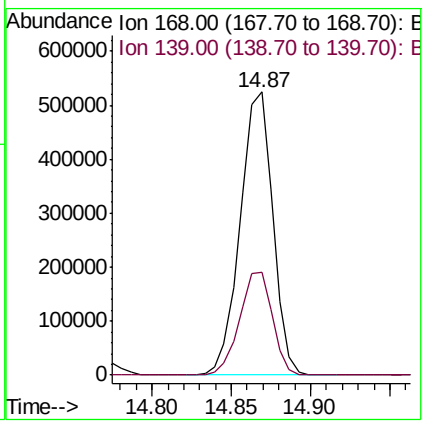


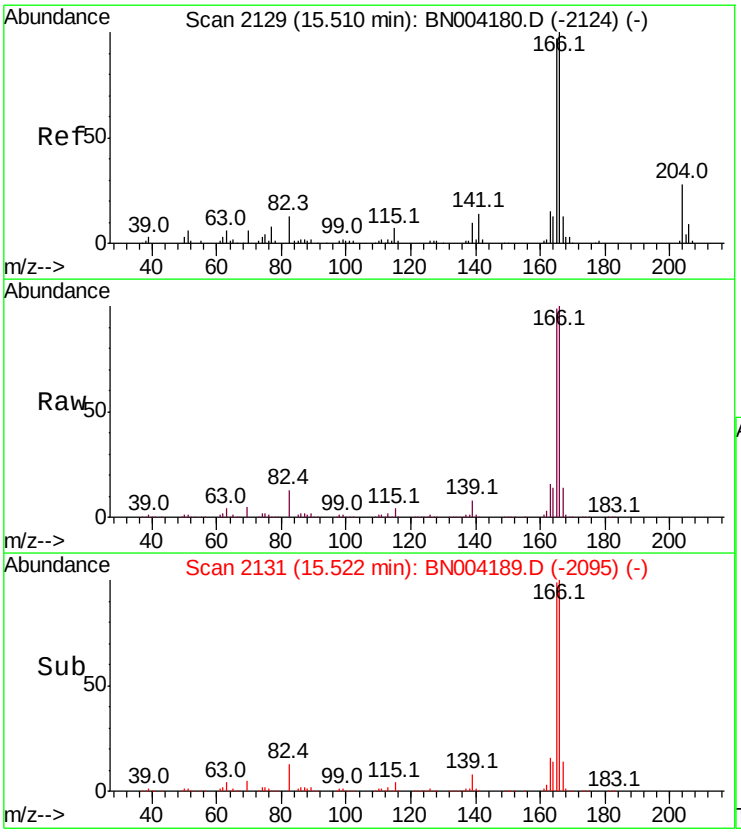
#53
Dibenzofuran
Concen: 79.150 ng/ul
RT: 14.87 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BN004189.D
Acq: 22 Dec 2018 08:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:168 Resp: 749555

Ion	Ratio	Lower	Upper
168	100		
139	36.3	28.8	43.2

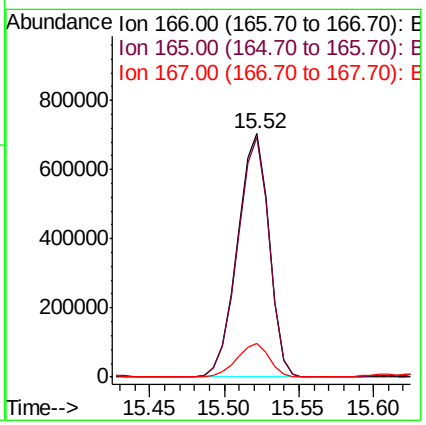


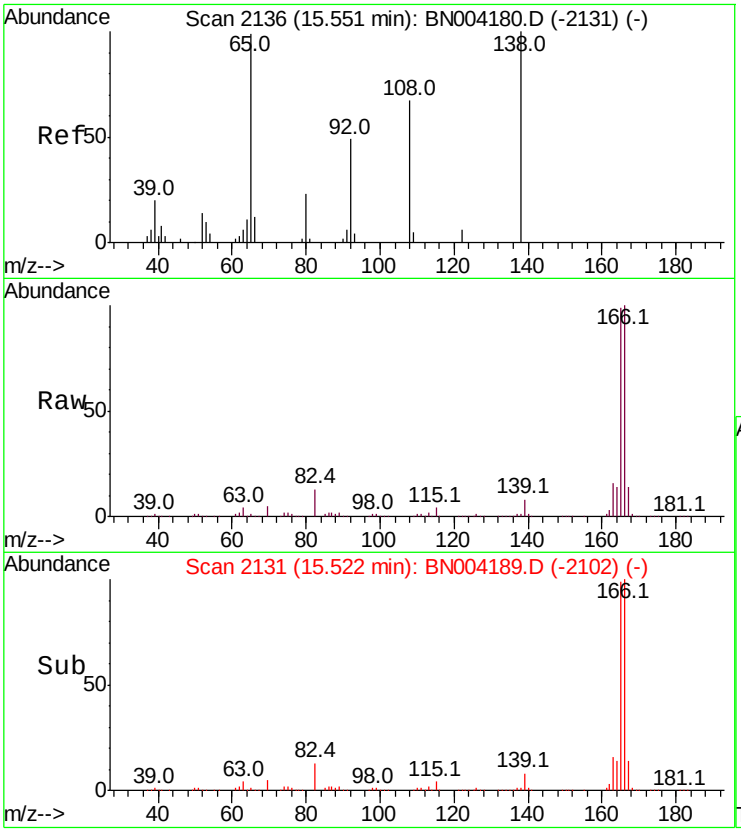


#58
Fluorene
Concen: 130.952 ng/ul
RT: 15.52 min Scan# 2131
Delta R.T. 0.01 min
Lab File: BN004189.D
Acq: 22 Dec 2018 08:45

Tgt Ion:166 Resp: 1032562

Ion	Ratio	Lower	Upper
166	100		
165	98.7	78.6	117.8
167	13.8	10.3	15.5



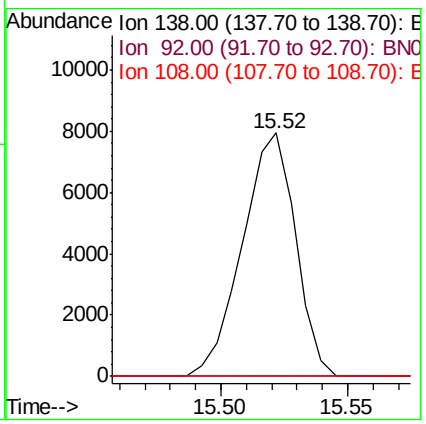


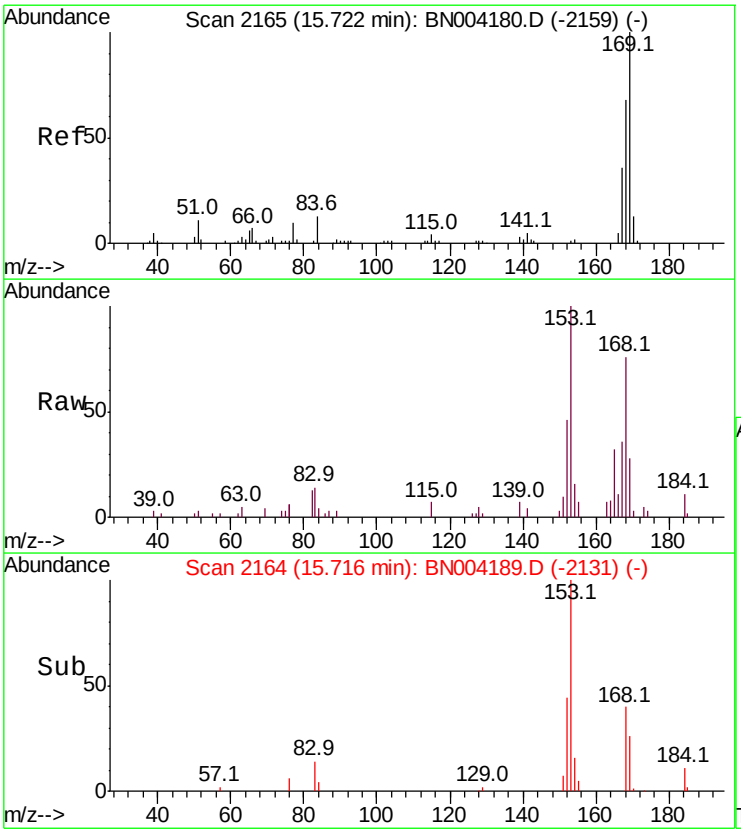
#60
4-Nitroaniline
Concen: 5.595 ng/ul
RT: 15.52 min Scan# 2131
Delta R.T. -0.03 min
Lab File: BN004189.D
Acq: 22 Dec 2018 08:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:138 Resp: 11615

Ion	Ratio	Lower	Upper
138	100		
92	0.0	39.0	58.4#
108	0.0	52.2	78.4#

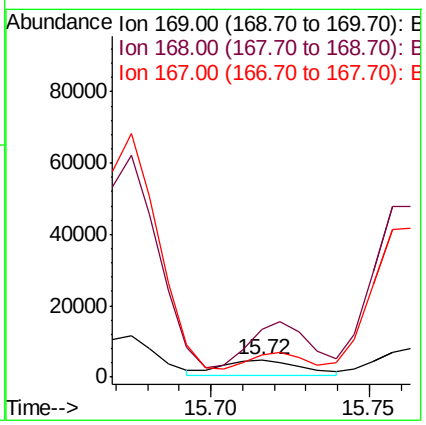


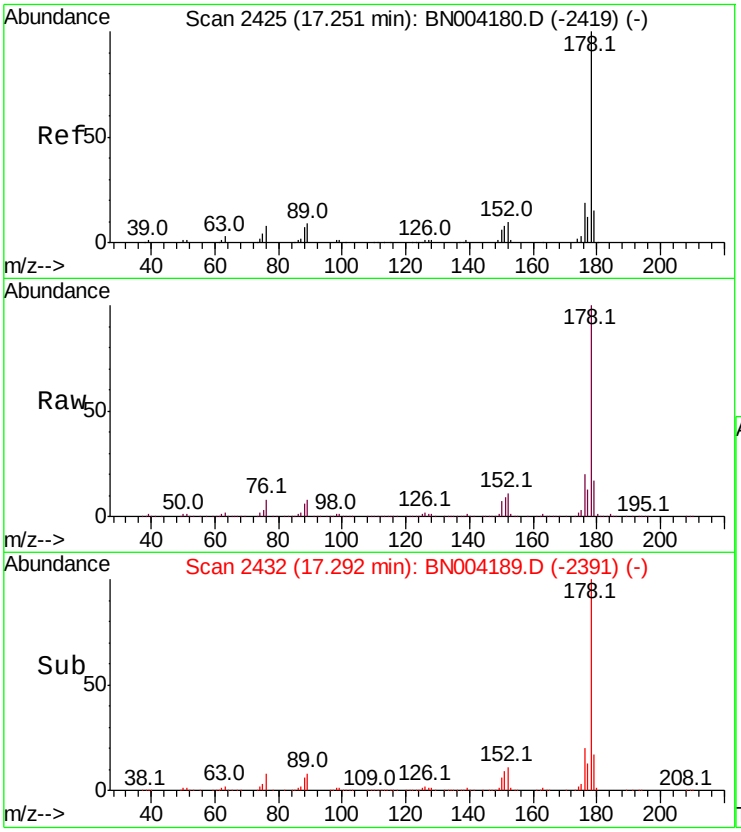


#64
N-Nitrosodiphenylamine
Concen: 1.287 ng/ul
RT: 15.72 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BN004189.D
Acq: 22 Dec 2018 08:45

Tgt Ion:169 Resp: 7701

Ion	Ratio	Lower	Upper
169	100		
168	272.7	53.7	80.5#
167	127.9	28.6	42.8#



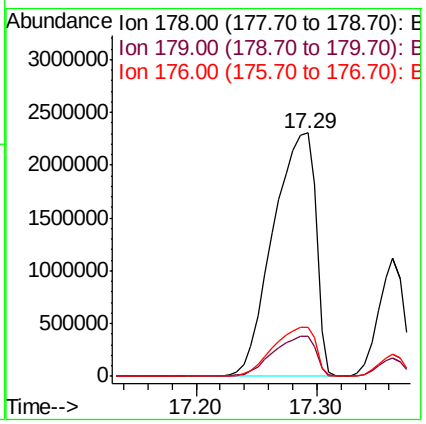


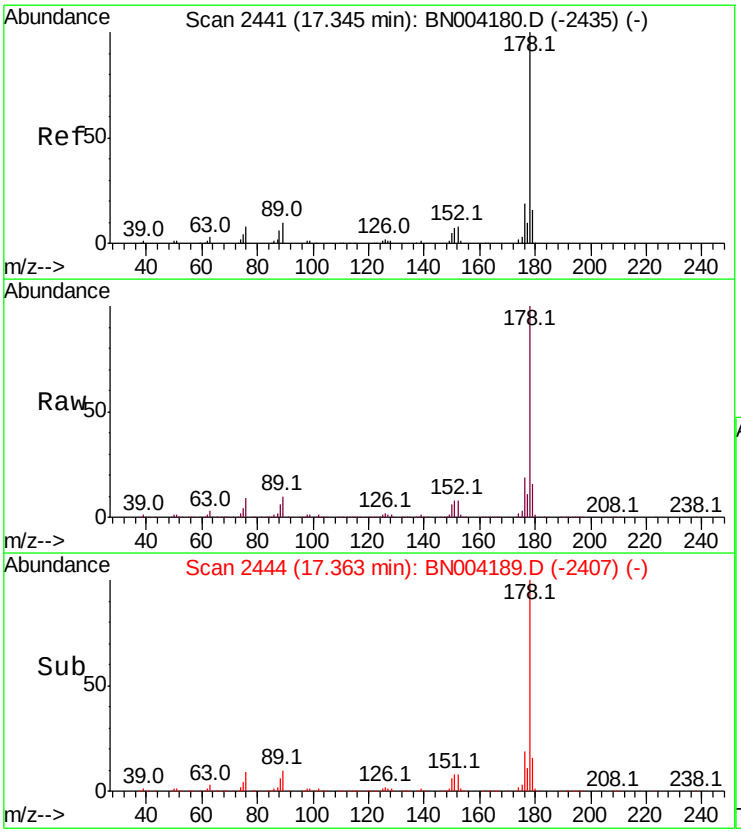
#69
Phenanthrene
Concen: 493.330 ng/ul
RT: 17.29 min Scan# 2432
Delta R.T. 0.04 min
Lab File: BN004189.D
Acq: 22 Dec 2018 08:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 5634729

Ion	Ratio	Lower	Upper
178	100		
179	16.6	12.1	18.1
176	20.3	15.0	22.6

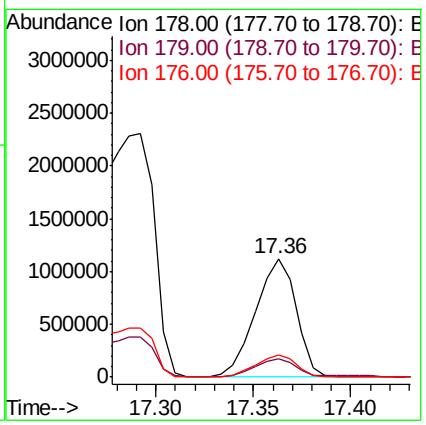


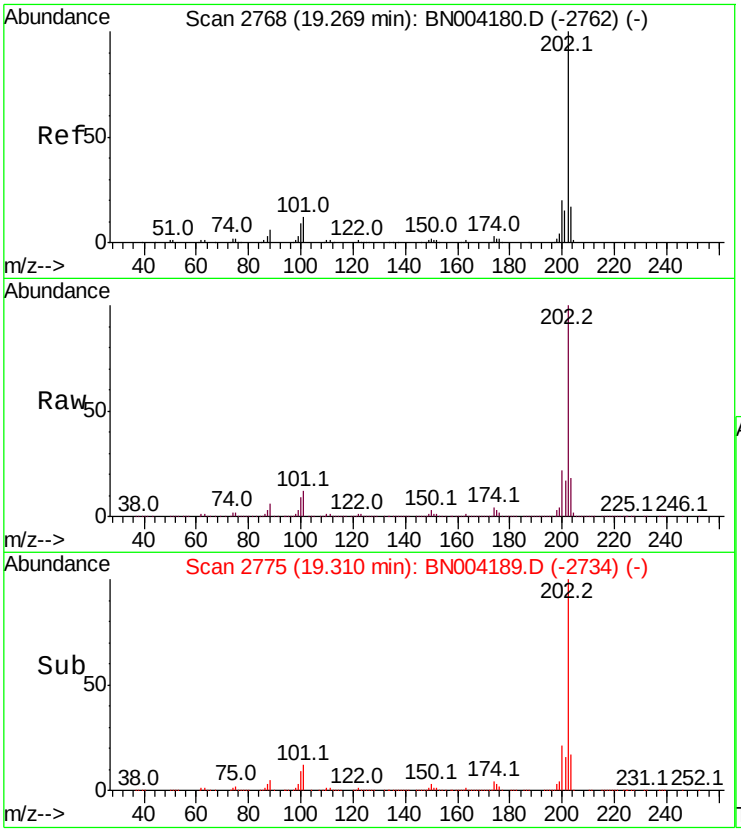


#71
Anthracene
Concen: 136.649 ng/ul
RT: 17.36 min Scan# 2444
Delta R.T. 0.02 min
Lab File: BN004189.D
Acq: 22 Dec 2018 08:45

Tgt Ion:178 Resp: 1599899

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.1	18.1
176	18.8	15.2	22.8



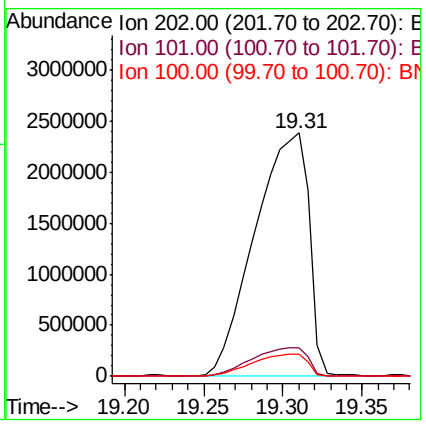


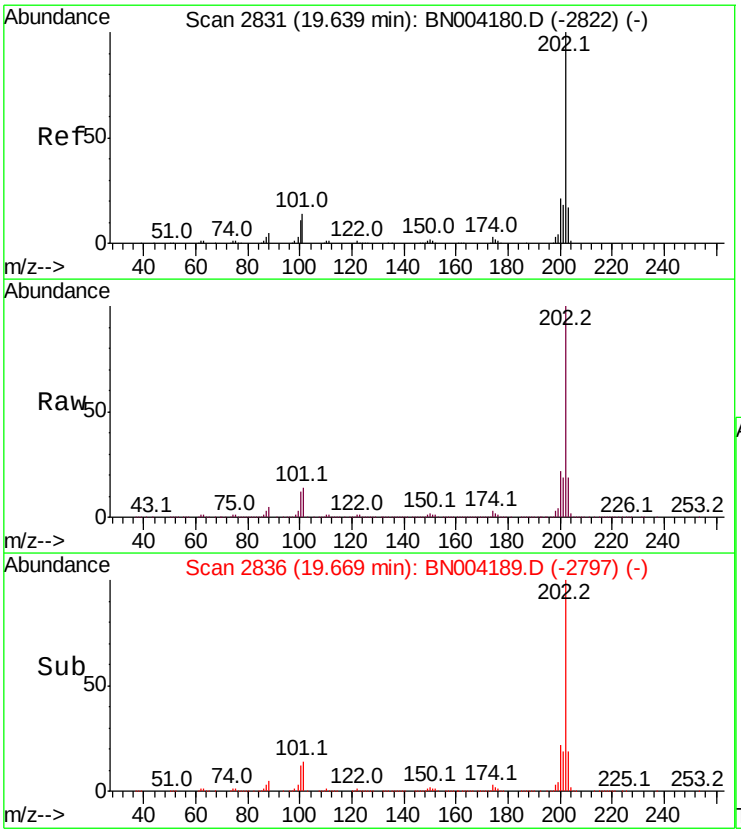
#76
Fluoranthene
Concen: 402.835 ng/ul
RT: 19.31 min Scan# 2775
Delta R.T. 0.04 min
Lab File: BN004189.D
Acq: 22 Dec 2018 08:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:202 Resp: 5639740

Ion	Ratio	Lower	Upper
202	100		
101	12.0	10.2	15.2
100	9.2	7.8	11.8

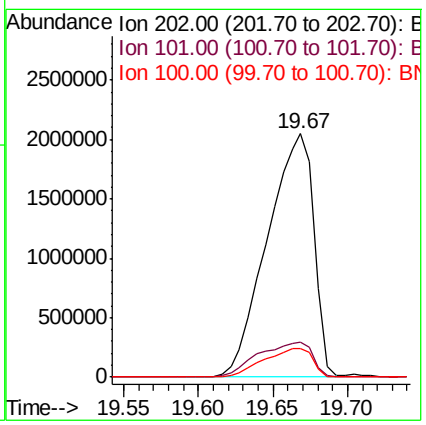


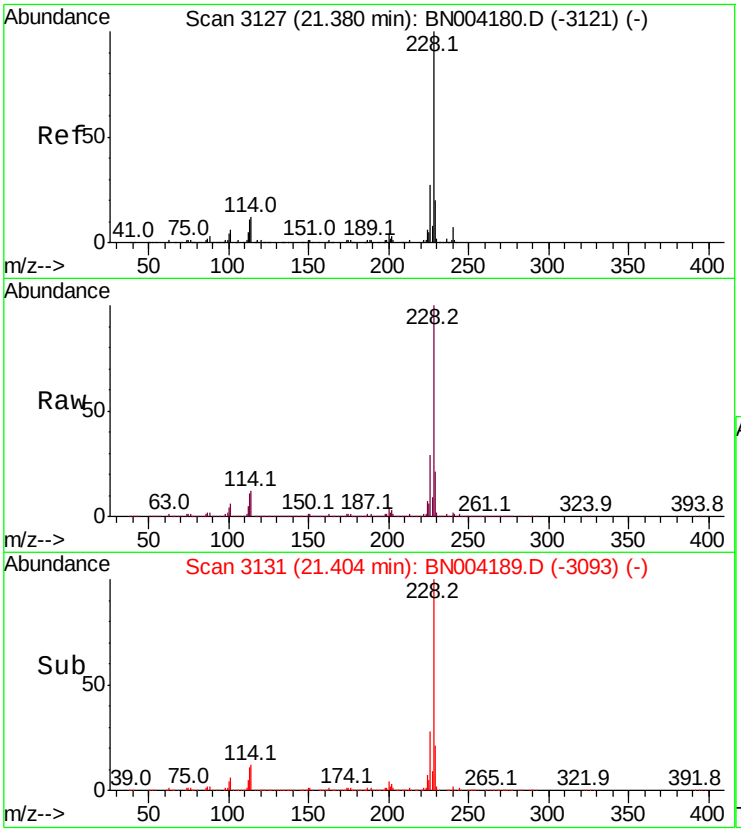


#79
Pyrene
Concen: 429.861 ng/ul
RT: 19.67 min Scan# 2836
Delta R.T. 0.03 min
Lab File: BN004189.D
Acq: 22 Dec 2018 08:45

Tgt Ion:202 Resp: 4444324

Ion	Ratio	Lower	Upper
202	100		
101	14.3	12.2	18.2
100	11.8	9.9	14.9



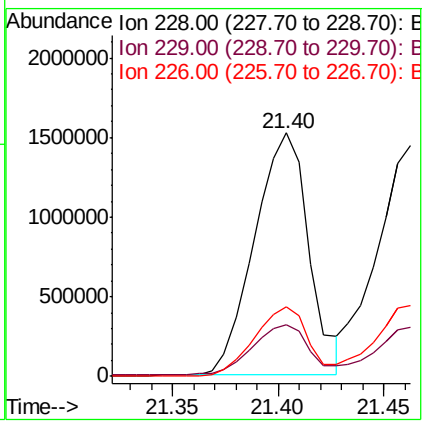


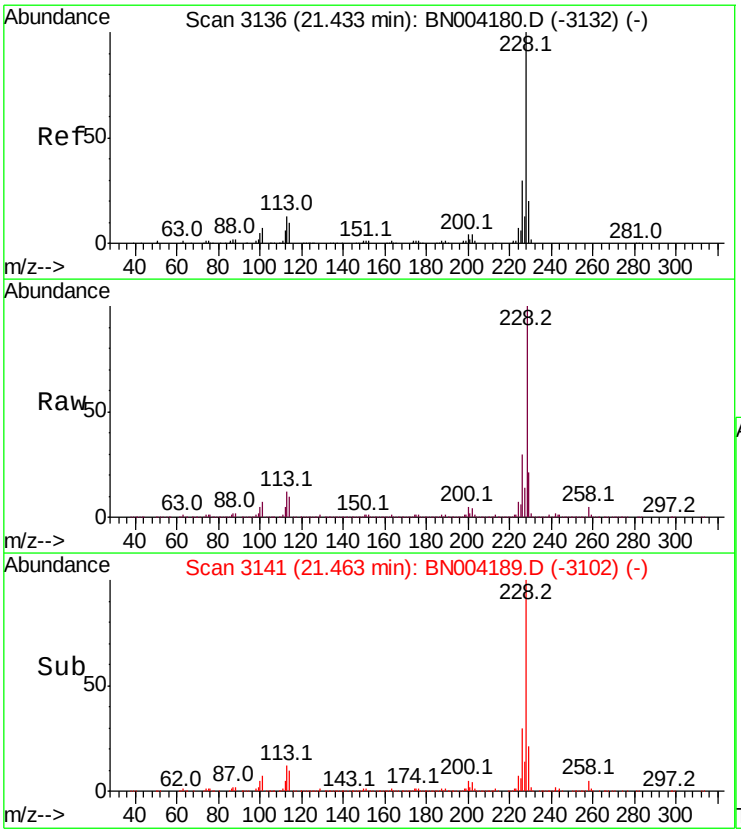
#82
Benzo(a)anthracene
Concen: 236.507 ng/ul
RT: 21.40 min Scan# 3131
Delta R.T. 0.02 min
Lab File: BN004189.D
Acq: 22 Dec 2018 08:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 2729348

Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.9	23.9
226	28.6	21.4	32.2

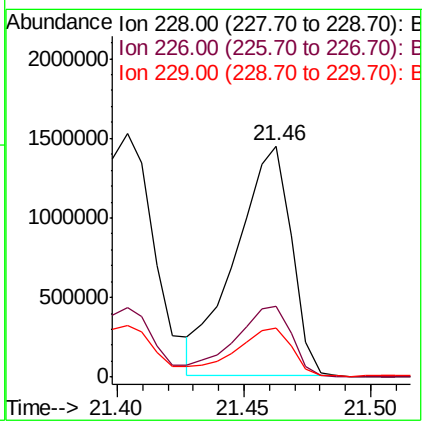


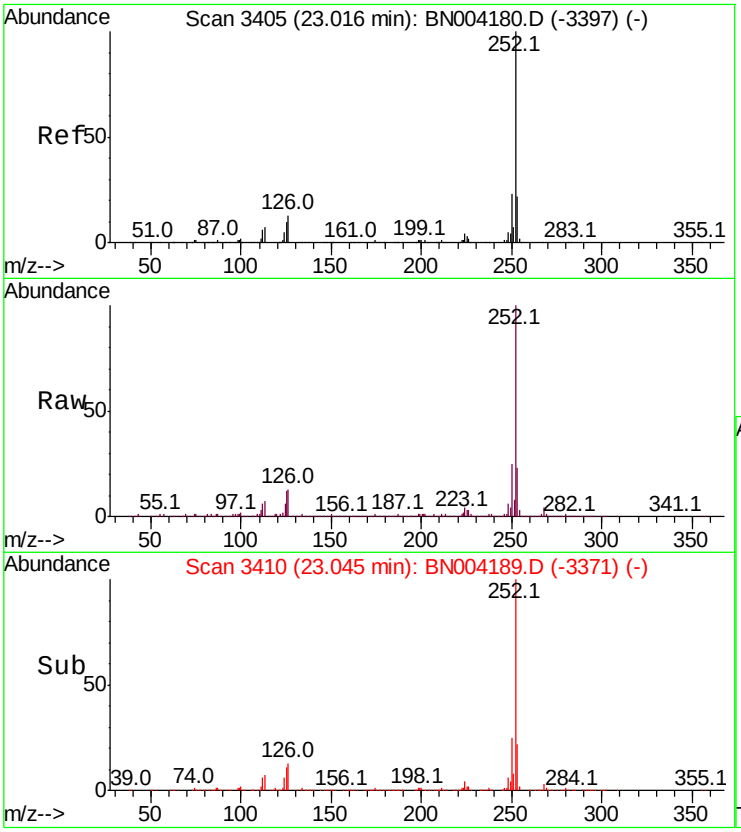


#84
Chrysene
Concen: 206.232 ng/ul
RT: 21.46 min Scan# 3141
Delta R.T. 0.03 min
Lab File: BN004189.D
Acq: 22 Dec 2018 08:45

Tgt Ion:228 Resp: 2229216

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.8	35.8
229	21.1	15.8	23.6



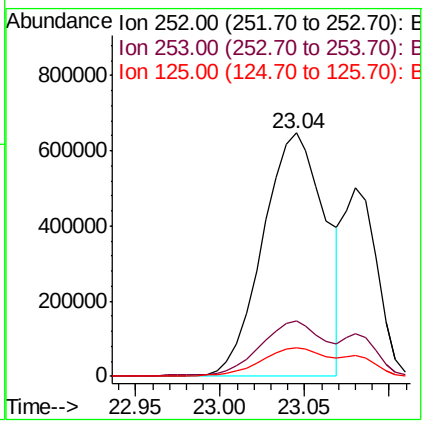


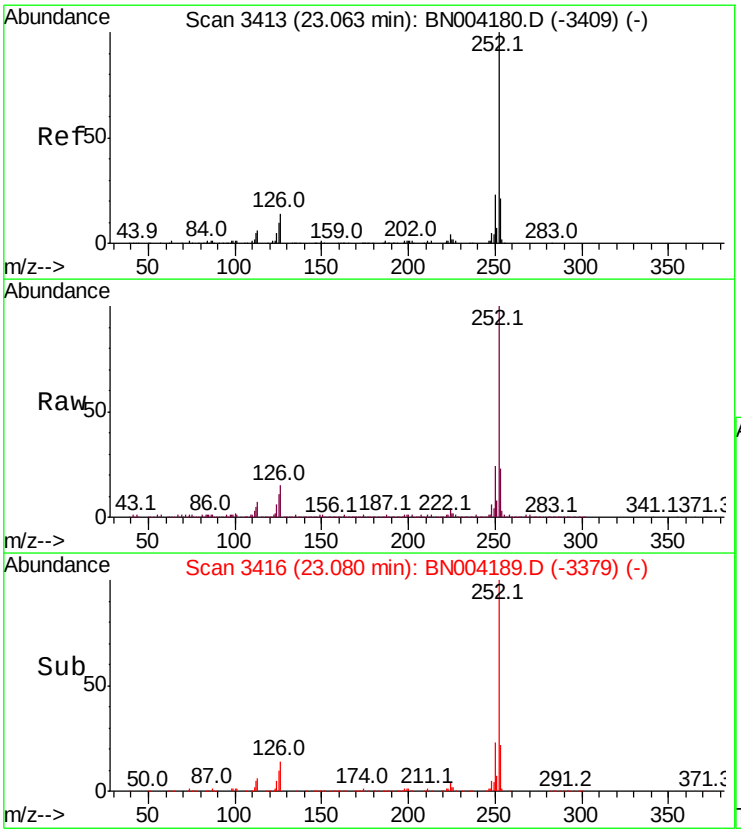
#87
Benzo(b)fluoranthene
Concen: 154.436 ng/ul
RT: 23.04 min Scan# 3410
Delta R.T. 0.03 min
Lab File: BN004189.D
Acq: 22 Dec 2018 08:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 1655680

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	11.5	8.2	12.4

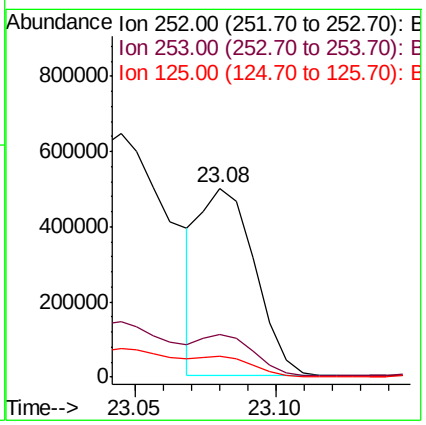


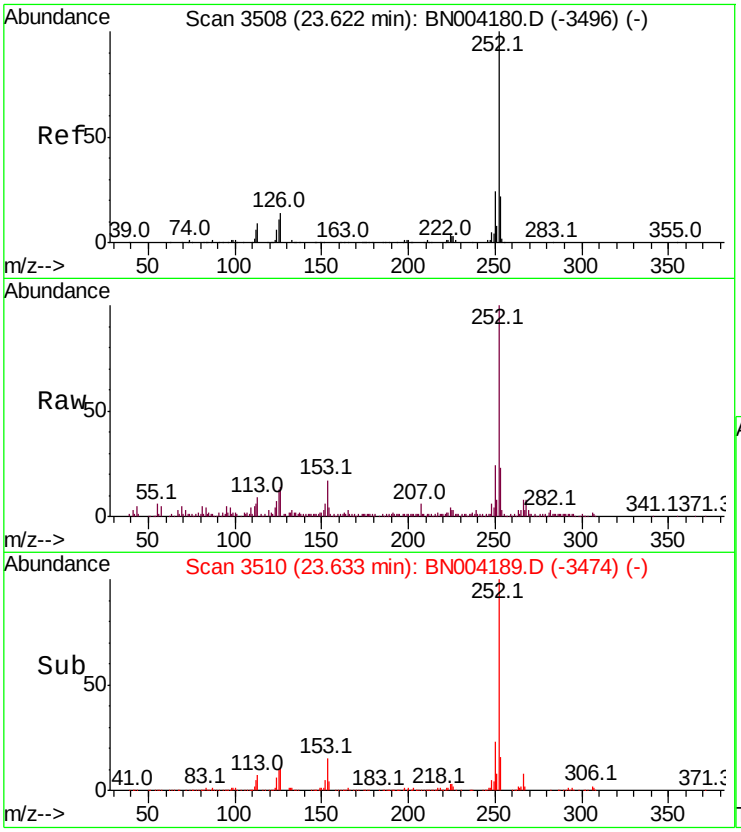


#88
Benzo(k)fluoranthene
Concen: 67.031 ng/ul
RT: 23.08 min Scan# 3416
Delta R.T. 0.02 min
Lab File: BN004189.D
Acq: 22 Dec 2018 08:45

Tgt Ion:252 Resp: 672891

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	11.1	7.9	11.9



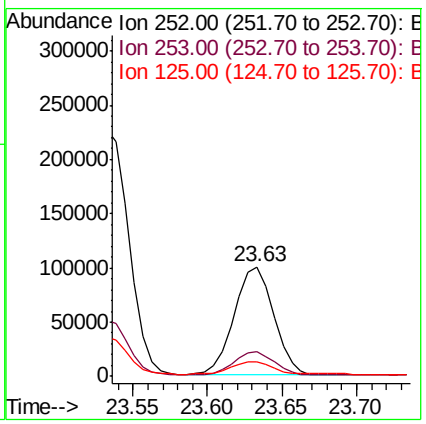


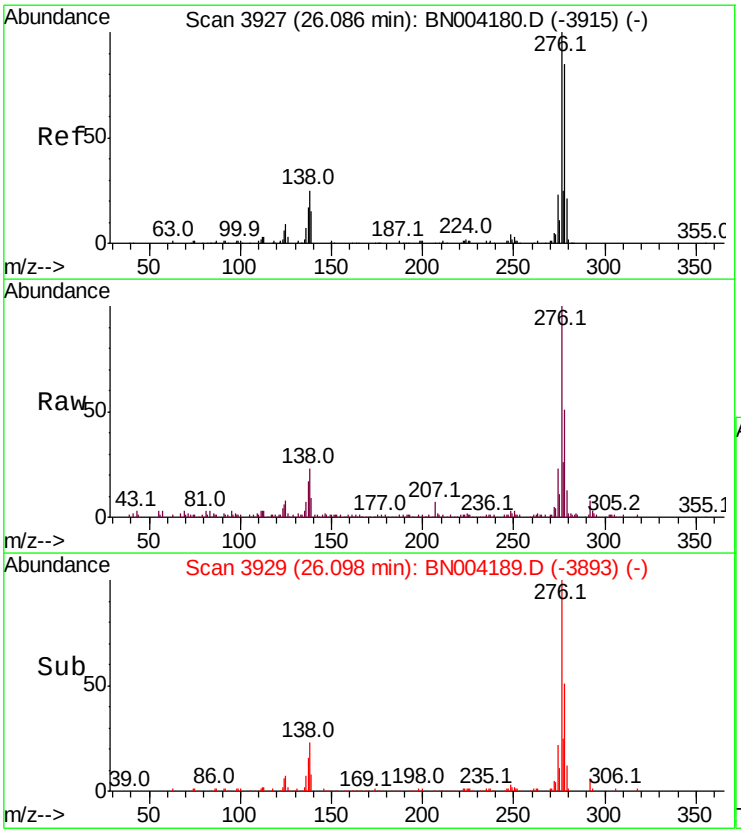
#90
Benzo(a)pyrene
Concen: 17.820 ng/ul
RT: 23.63 min Scan# 3510
Delta R.T. 0.01 min
Lab File: BN004189.D
Acq: 22 Dec 2018 08:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 183985

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	12.8	9.1	13.7

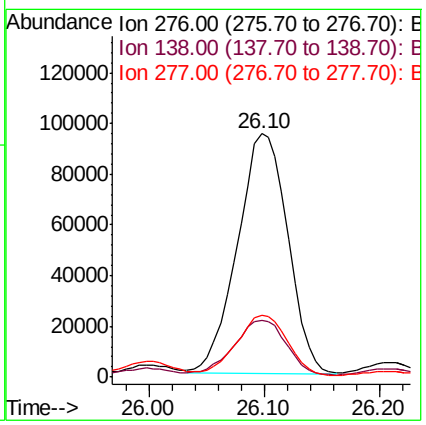


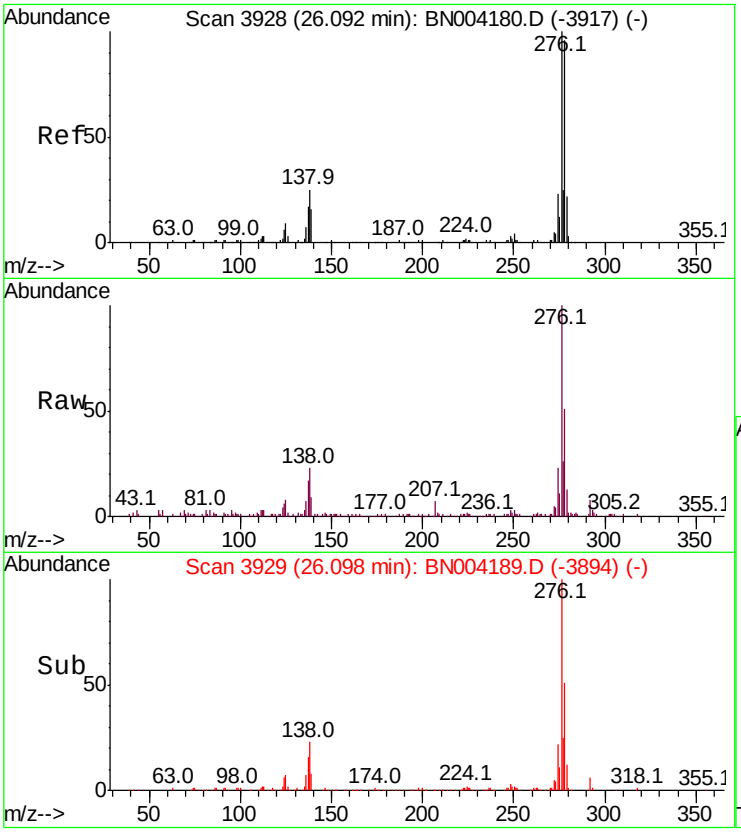


#91
Indeno(1,2,3-cd)pyrene
Concen: 21.405 ng/ul
RT: 26.10 min Scan# 3929
Delta R.T. 0.01 min
Lab File: BN004189.D
Acq: 22 Dec 2018 08:45

Tgt Ion:276 Resp: 288082

Ion	Ratio	Lower	Upper
276	100		
138	23.4	20.4	30.6
277	25.5	20.6	30.8



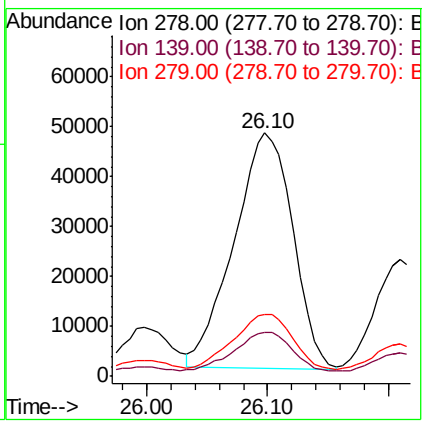


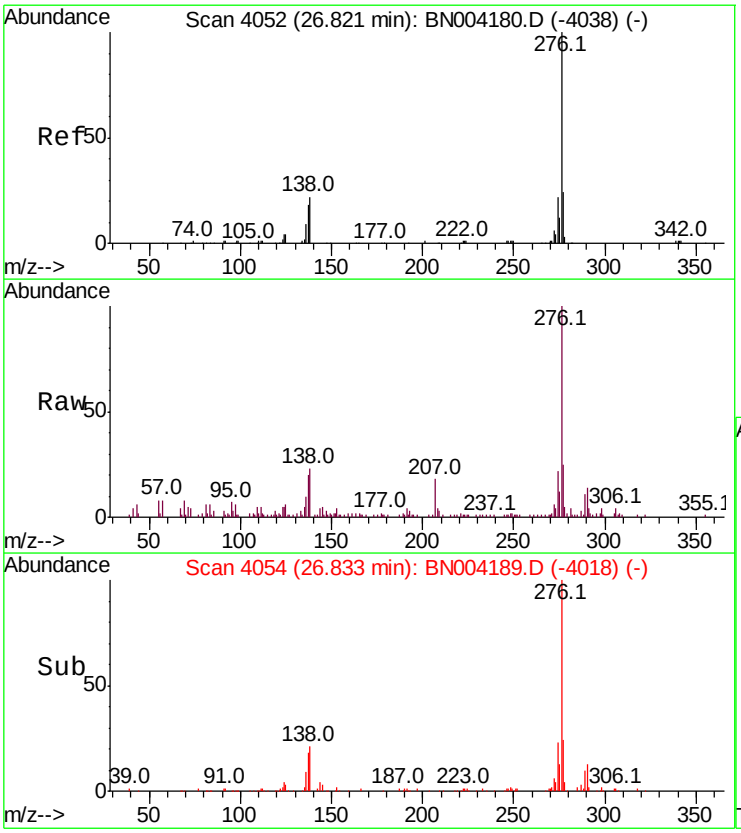
#92
Dibenzo(a,h)anthracene
Concen: 14.256 ng/ul
RT: 26.10 min Scan# 3929
Delta R.T. 0.01 min
Lab File: BN004189.D
Acq: 22 Dec 2018 08:45

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:278 Resp: 159494

Ion	Ratio	Lower	Upper
278	100		
139	18.0	13.3	19.9
279	25.3	19.0	28.6





#93
Benzo(g,h,i)perylene
Concen: 9.994 ng/ul
RT: 26.83 min Scan# 4054
Delta R.T. 0.01 min
Lab File: BN004189.D
Acq: 22 Dec 2018 08:45

Tgt Ion:276 Resp: 112579

Ion	Ratio	Lower	Upper
276	100		
138	22.7	18.2	27.4
277	25.3	19.0	28.6