Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023323.D
Acq On : 22 Oct 2019 17:45
Operator : JU
Sample : K5345-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId :

Quant Time: Oct 22 18:19:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 22 11:39:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	359865	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1419767	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	892121	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	1873292	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	2003649	20.00	ng/ul	0.00
86) Perylene-d12	23.31	264	2714743	20.00	ng/ul	-0.12
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.17	96	24450	2.99	ng/uL	0.00
5) Phenol-d5	6.82	99	491789	15.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	268262	15.13	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	391346	16.31	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	397560	15.79	ng/ul	0.00
19) Nitrobenzene-d5	8.79	128	178481	18.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.51	143	193650	21.17	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	420729	18.09	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	456215	16.12	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	1361463	19.91	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	1513531	18.88	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	201828	18.24	ng/ul	0.00
58) Fluorene-d10	15.29	176	1172919	20.14	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.41	200	162778	21.92	ng/ul	0.00
71) Anthracene-d10	17.13	188	1962338	21.72	ng/ul	0.00
79) Pyrene-d10	19.43	212	2197089	22.64	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	2709907	19.69	ng/ul	0.02
Target Compounds						Qvalue
6) Phenol	6.85	94	607420	18.793	ng/ul	99
10) 2-Chlorophenol	7.21	128	444949	17.748	ng/ul	95
15) N-Nitroso-di-n-propylamine	8.45	70	338552	15.616	ng/ul	96
28) Naphthalene	10.47	128	861287	11.737	ng/ul	99
33) 4-Chloro-3-methylphenol	11.72	107	539482	20.715	ng/ul	99
34) 2-Methylnaphthalene	12.10	142	141369	2.589	ng/ul	99
35) 1-Methylnaphthalene	12.32	142	99270	1.878	ng/ul	96
45) Dimethylphthalate	13.76	163	308851	4.513	ng/ul	99
48) Acenaphthylene	14.01	152	1697771	20.708	ng/ul	100
50) Acenaphthene	14.36	153	1548644	27.127	ng/ul	99
53) 4-Nitrophenol	14.50	109	198423	19.903	ng/ul	96
54) Dibenzofuran	14.69	168	275478	3.399	ng/ul	98
55) 2,4-Dinitrotoluene	14.66	165	428081	27.240	ng/ul#	96
59) Fluorene	15.34	166	248097	3.731	ng/ul	96
69) Pentachlorophenol	16.69	266	210759	14.670	ng/ul	97
70) Phenanthrene	17.08	178	1989687	18.926	ng/ul	99
72) Anthracene	17.17	178	4187056	38.541	ng/ul	99
75) Carbazole	17.44	167	695783	7.169	ng/ul	100
77) Fluoranthene	19.10	202	9323006	74.566	ng/ul	99
80) Pyrene	19.47	202	12028307	95.828	ng/ul	99
83) Benzo(a)anthracene	21.27	228	11397363	83.951	ng/ul	93
85) Chrysene	21.27	228	11397612	90.414	ng/ul	96
88) Benzo(b)fluoranthene	22.80	252	20383672	123.840	ng/ul	97

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023323.D
Acq On : 22 Oct 2019 17:45
Operator : JU
Sample : K5345-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId :

Quant Time: Oct 22 18:19:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 22 11:39:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(k)fluoranthene	22.80	252	20383672	128.972	ng/ul	97
91) Benzo(a)pyrene	23.35	252	9869187	62.497	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.66	276	8260645	43.972	ng/ul	96
93) Dibenzo(a,h)anthracene	25.36	278	1093003	6.958	ng/ul	97
94) Benzo(g,h,i)perylene	26.34	276	5952792	38.486	ng/ul	98

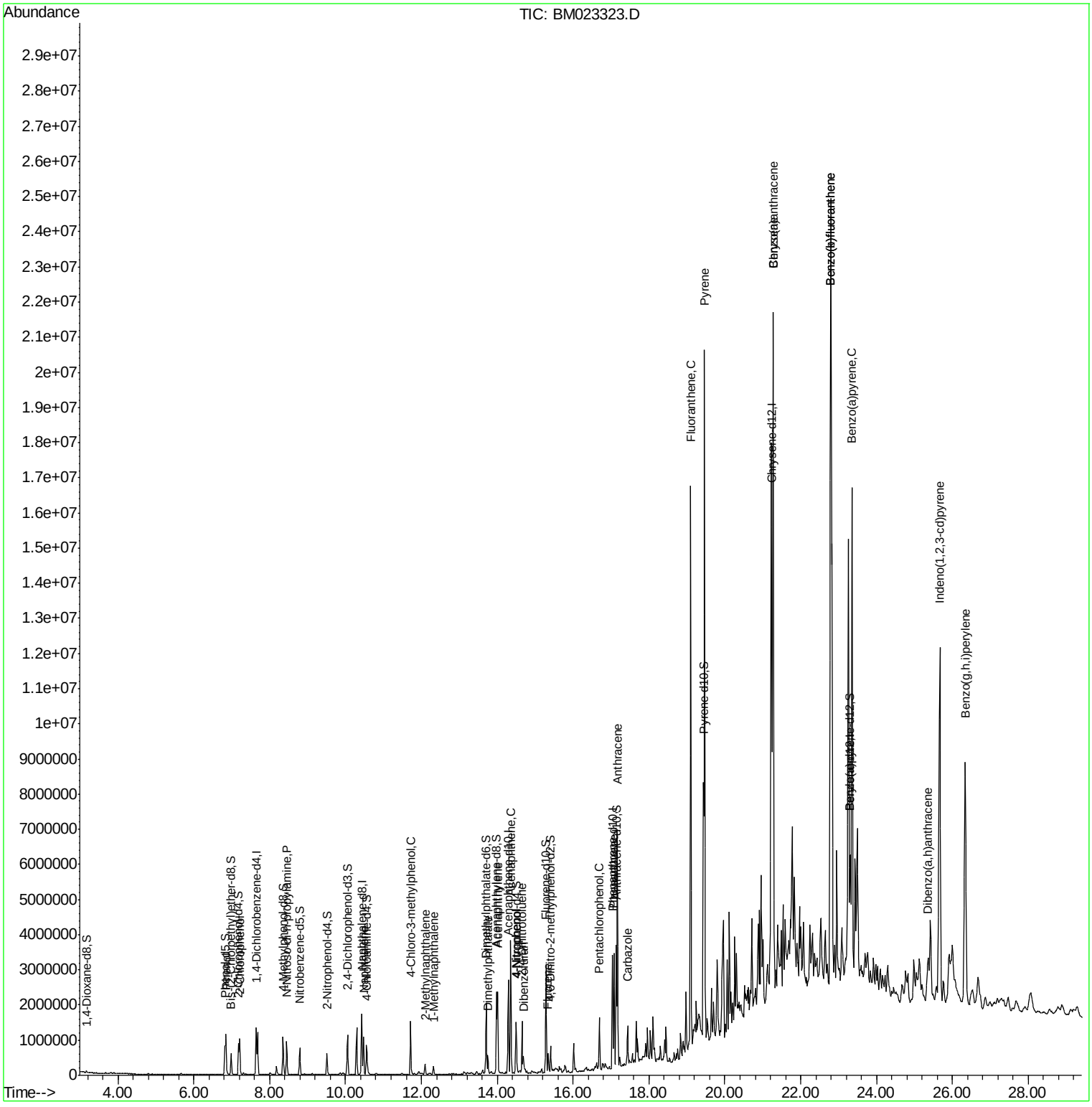
(#) = qualifier out of range (m) = manual integration (+) = signals summed

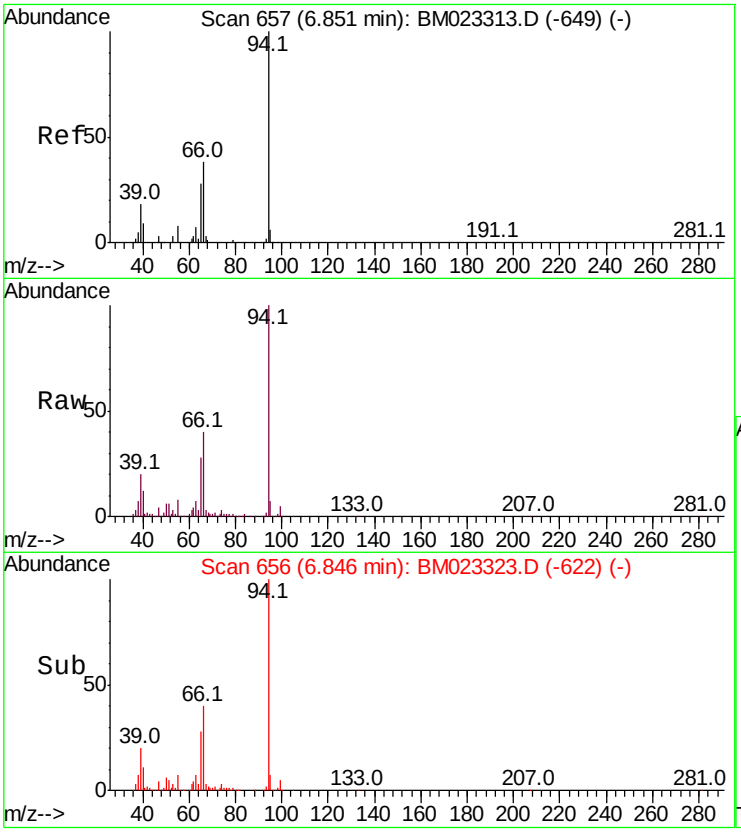
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023323.D
Acq On : 22 Oct 2019 17:45
Operator : JU
Sample : K5345-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Oct 22 18:19:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 22 11:39:35 2019
Response via : Initial Calibration



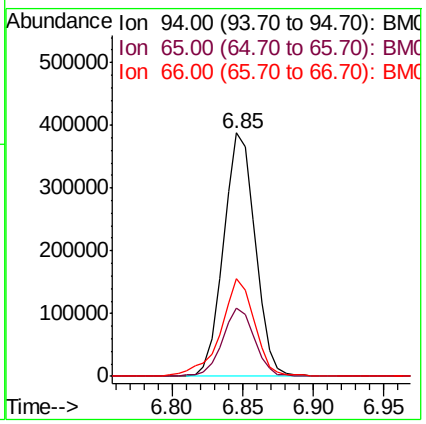


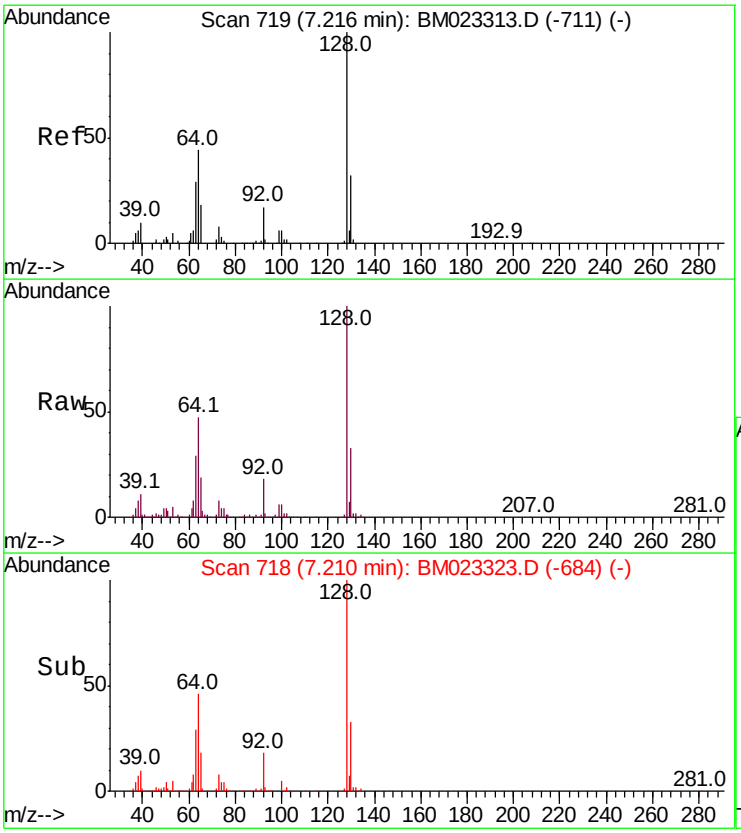
#6
Phenol
Concen: 18.793 ng/ul
RT: 6.85 min Scan# 656
Delta R.T. -0.00 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 94 Resp: 607420

Ion	Ratio	Lower	Upper
94	100		
65	28.2	23.2	34.8
66	40.2	32.9	49.3

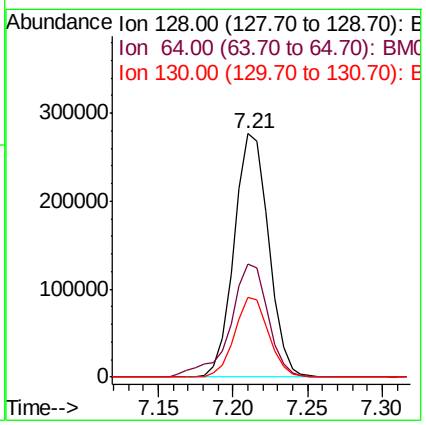


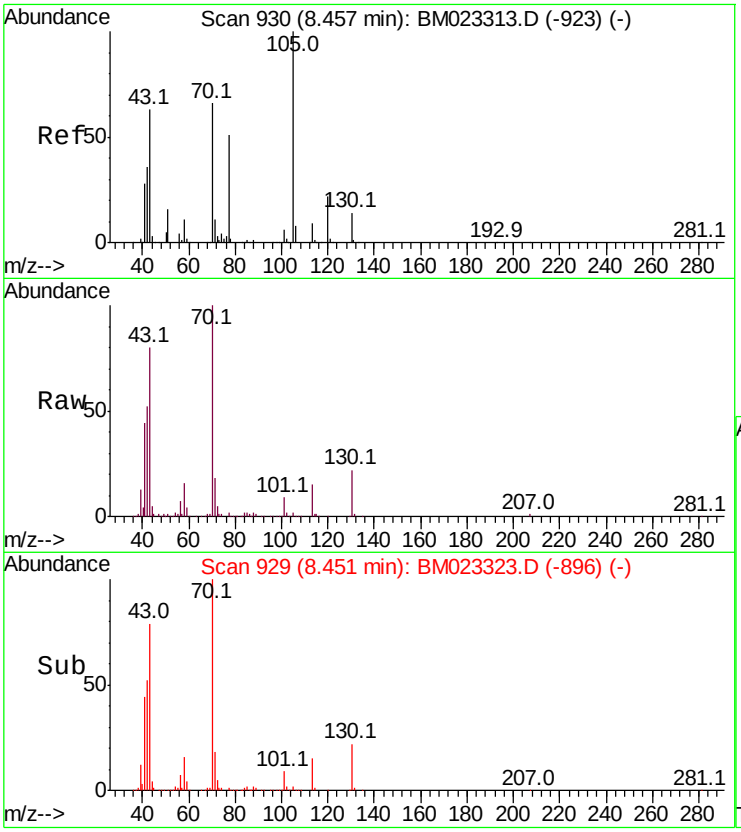


#10
2-Chlorophenol
Concen: 17.748 ng/ul
RT: 7.21 min Scan# 718
Delta R.T. -0.00 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Tgt Ion:128 Resp: 444949

Ion	Ratio	Lower	Upper
128	100		
64	46.5	40.3	60.5
130	33.0	24.7	37.1



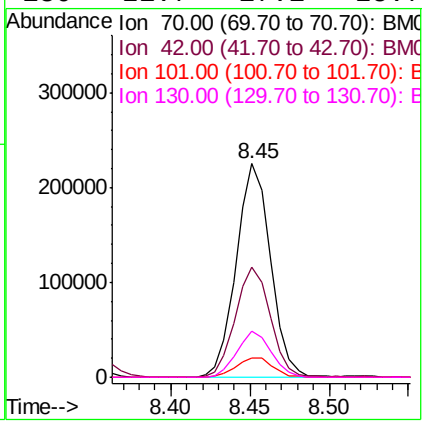


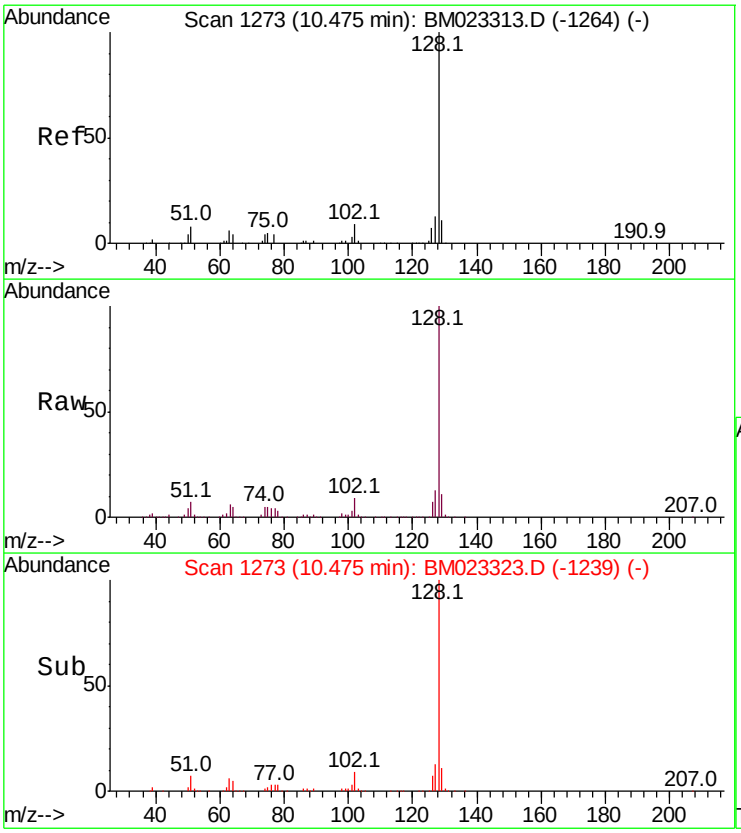
#15
N-Nitroso-di-n-propylamine
Concen: 15.616 ng/ul
RT: 8.45 min Scan# 929
Delta R.T. -0.01 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 70 Resp: 338552

Ion	Ratio	Lower	Upper
70	100		
42	51.7	44.9	67.3
101	9.3	7.9	11.9
130	21.7	17.1	25.7

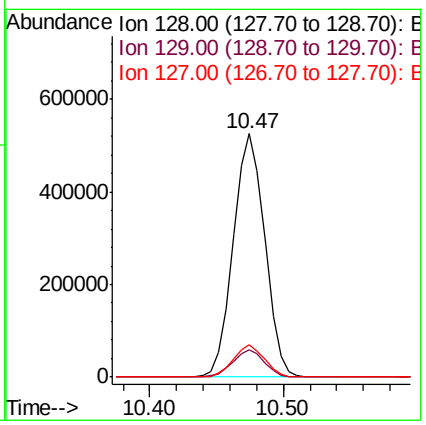


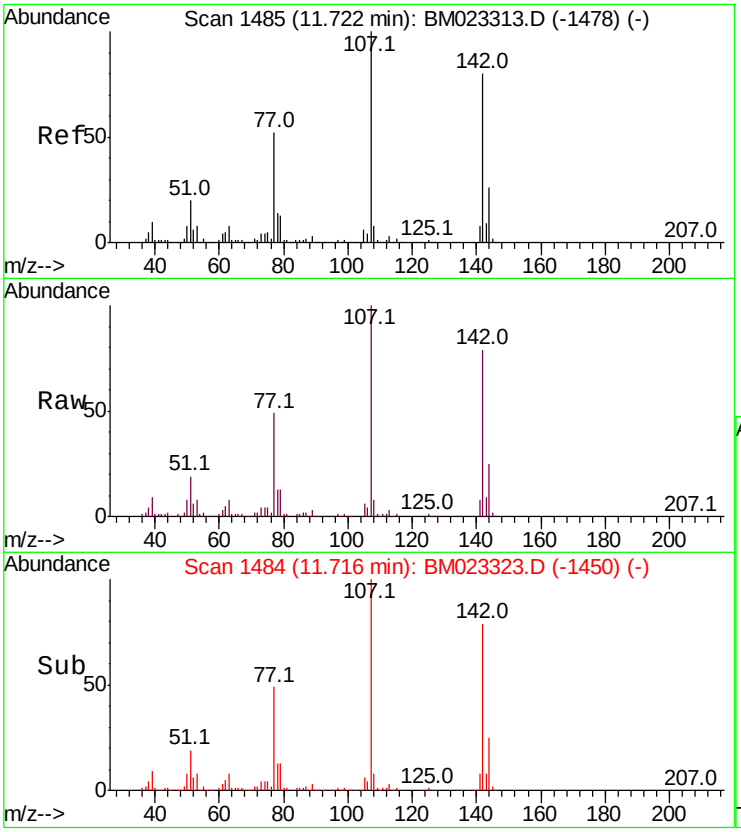


#28
Naphthalene
Concen: 11.737 ng/ul
RT: 10.47 min Scan# 1273
Delta R.T. -0.00 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Tgt Ion:128 Resp: 861287

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	13.2	10.2	15.4



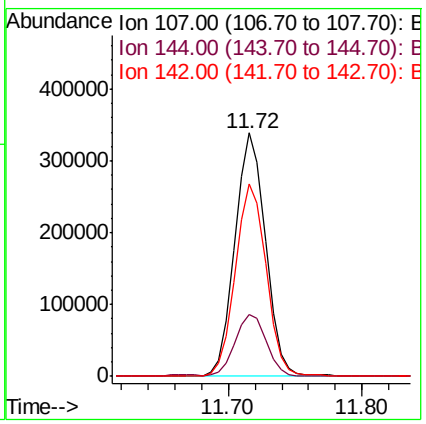


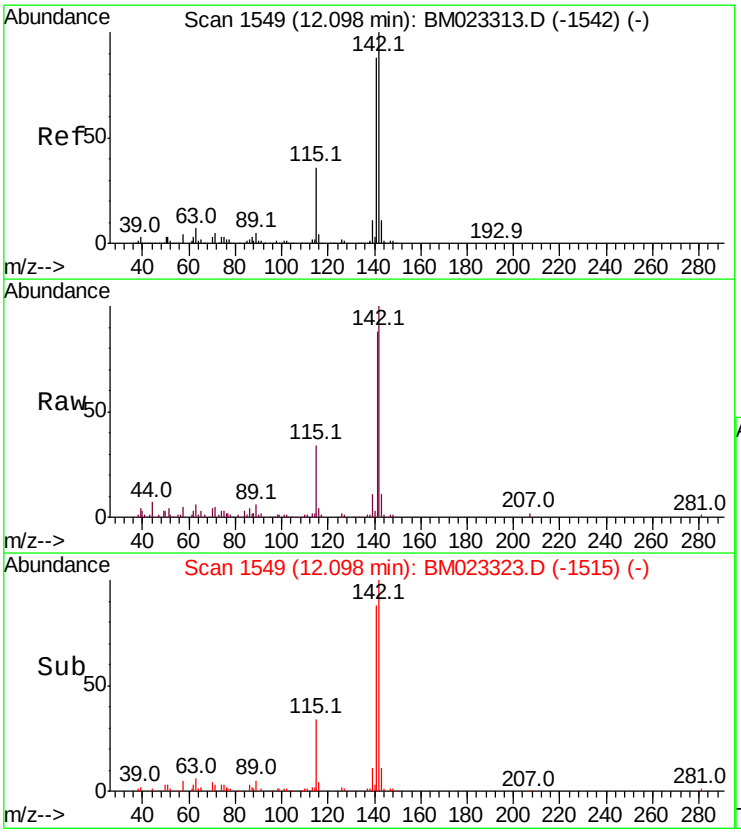
#33
4-Chloro-3-methylphenol
Concen: 20.715 ng/ul
RT: 11.72 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:107 Resp: 539482

Ion	Ratio	Lower	Upper
107	100		
144	25.3	20.0	30.0
142	79.3	62.5	93.7

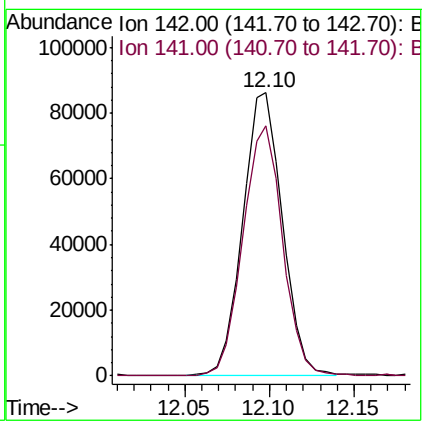


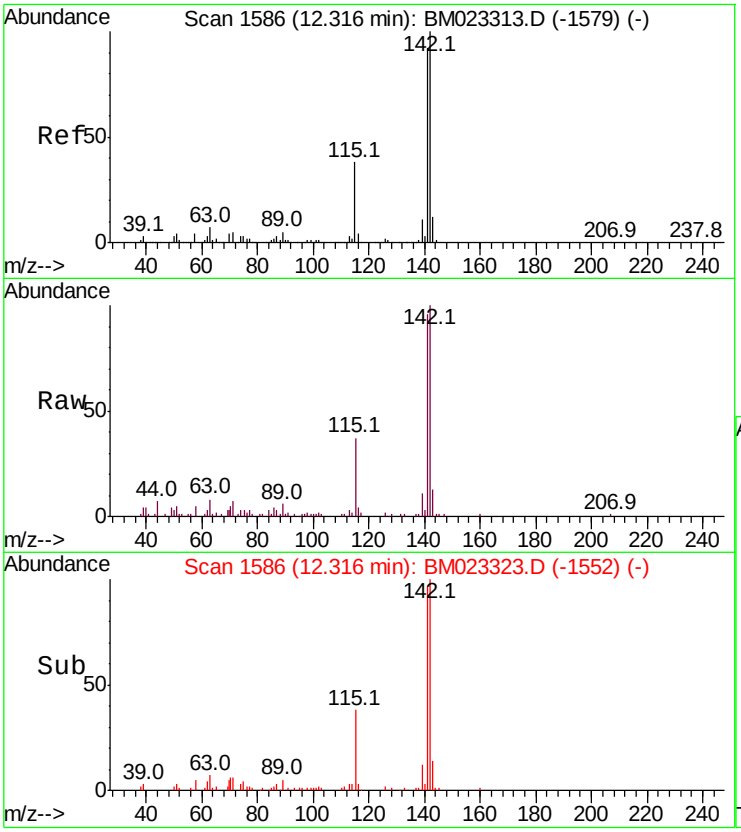


#34
2-Methylnaphthalene
Concen: 2.589 ng/ul
RT: 12.10 min Scan# 1549
Delta R.T. -0.00 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Tgt Ion:142 Resp: 141369

Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.4	107.0



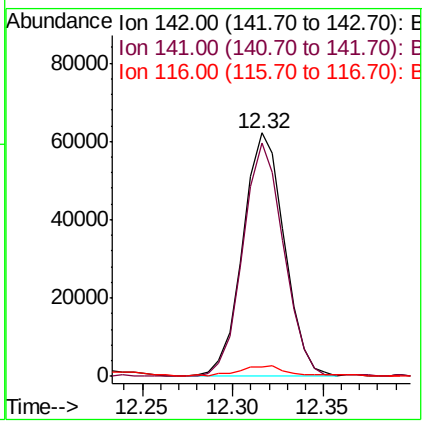


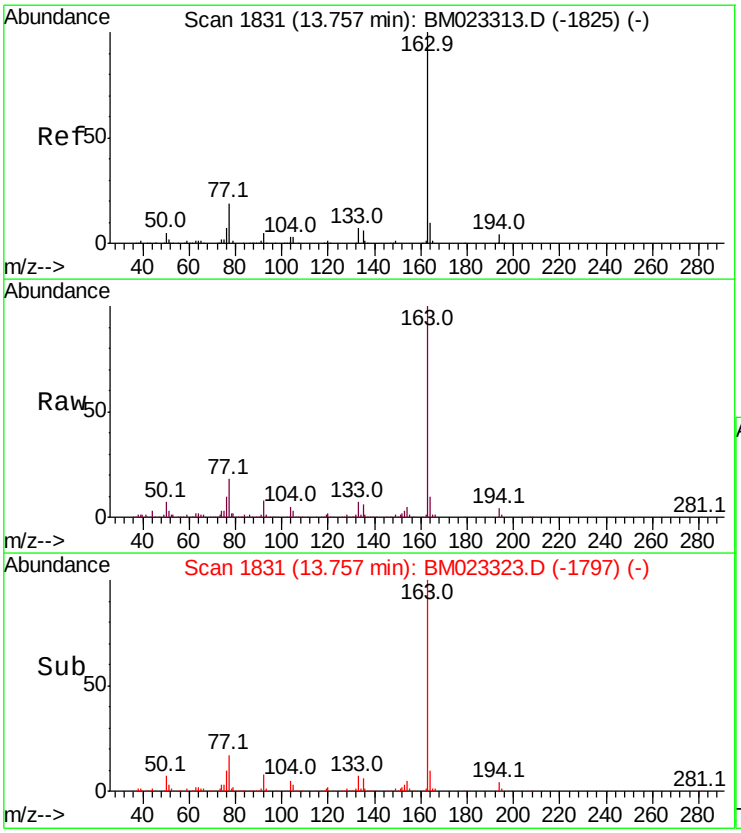
#35
1-Methylnaphthalene
Concen: 1.878 ng/ul
RT: 12.32 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:142 Resp: 99270

Ion	Ratio	Lower	Upper
142	100		
141	95.7	73.0	109.6
116	3.7	3.0	4.4

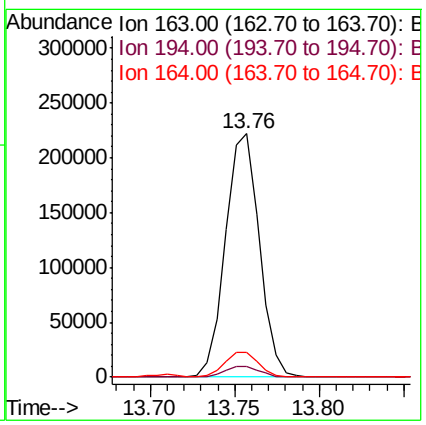


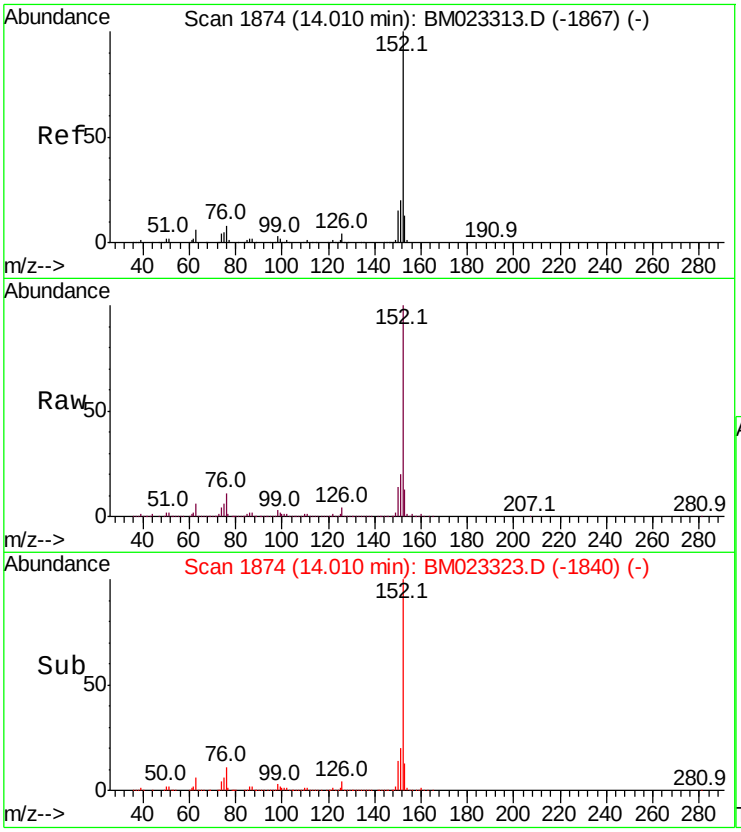


#45
Dimethylphthalate
Concen: 4.513 ng/ul
RT: 13.76 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Tgt Ion:163 Resp: 308851

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	10.1	7.8	11.6



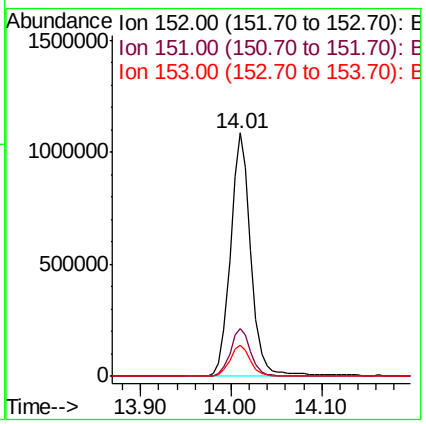


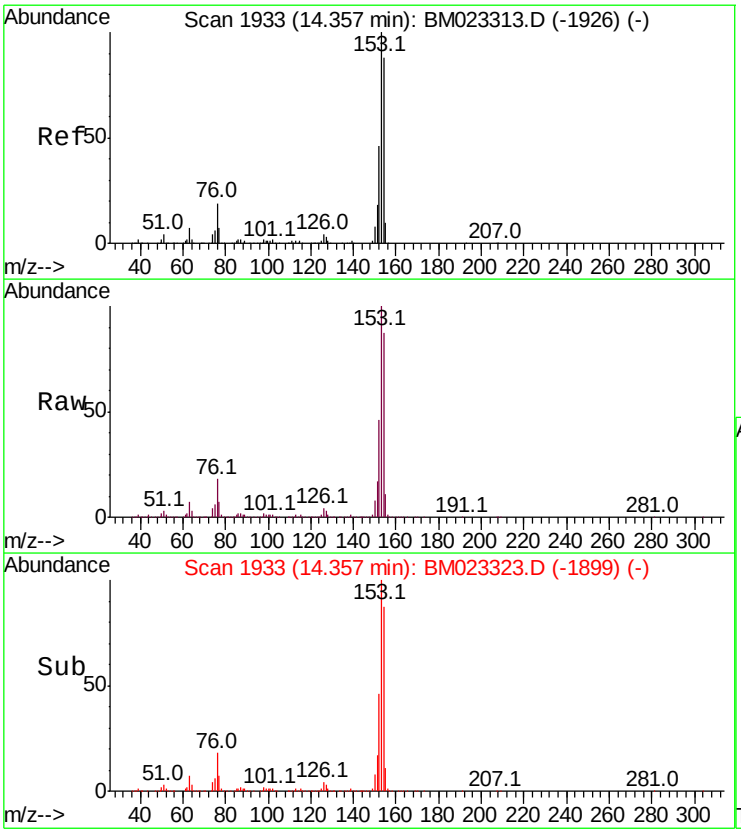
#48
Acenaphthylene
Concen: 20.708 ng/ul
RT: 14.01 min Scan# 1874
Delta R.T. -0.00 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:152 Resp: 1697771

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	12.9	10.3	15.5

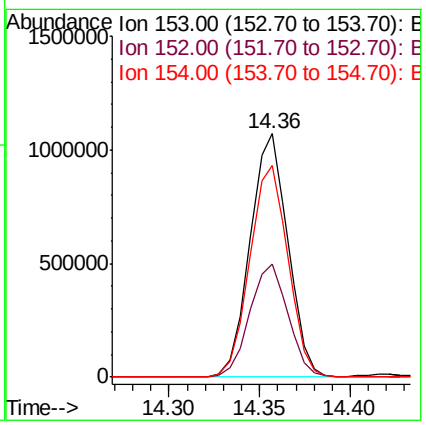


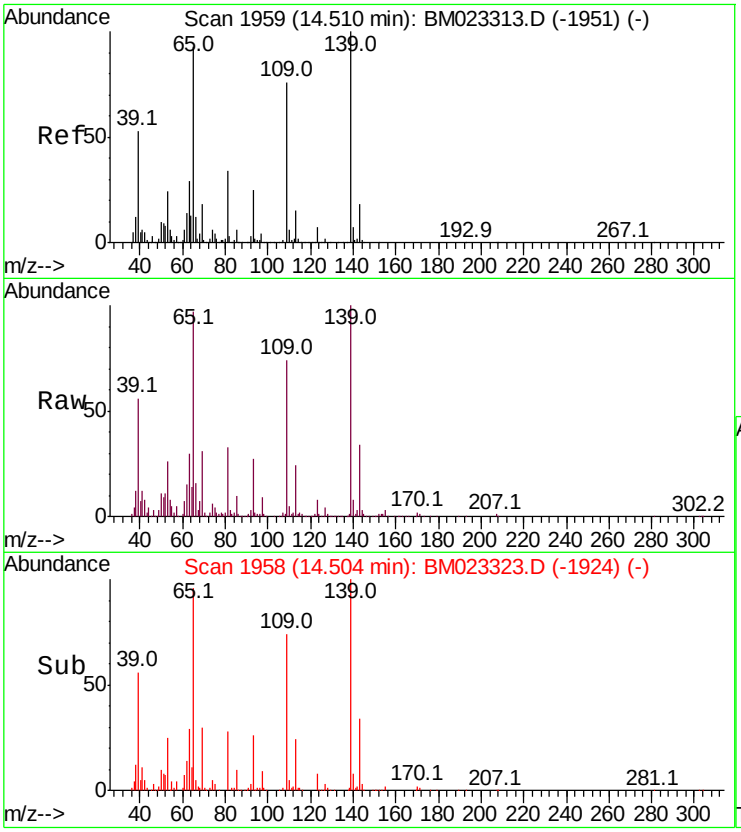


#50
Acenaphthene
Concen: 27.127 ng/ul
RT: 14.36 min Scan# 1933
Delta R.T. -0.00 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Tgt Ion:153 Resp: 1548644

Ion	Ratio	Lower	Upper
153	100		
152	46.4	37.4	56.0
154	86.8	70.7	106.1



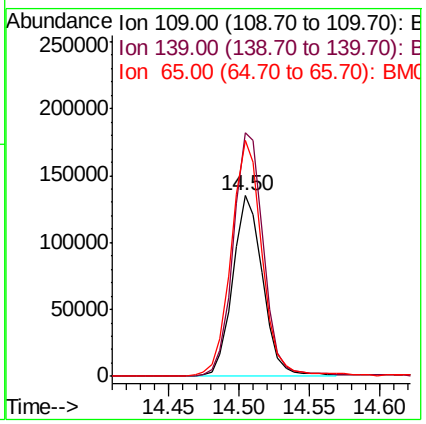


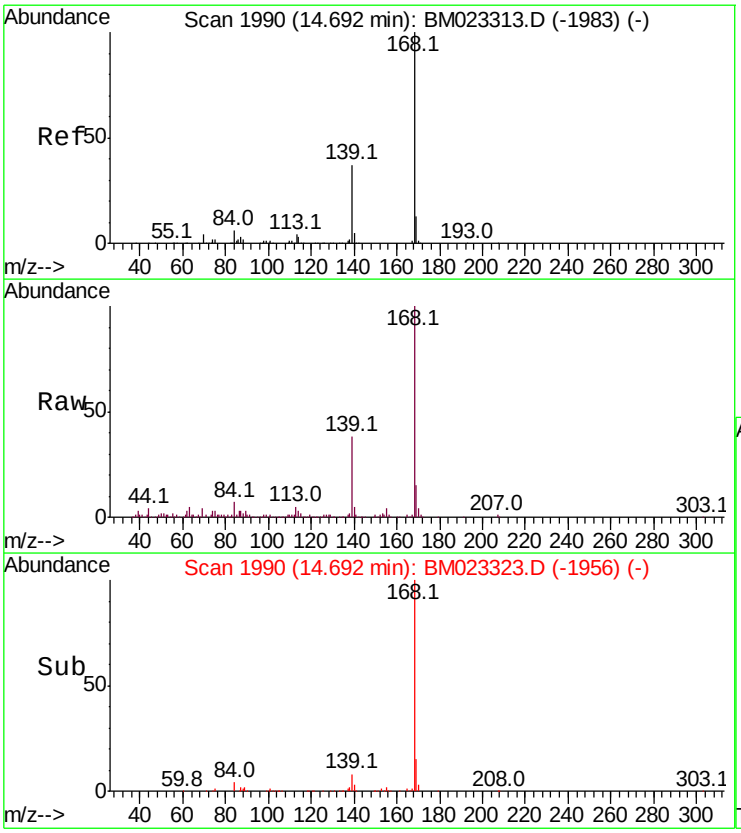
#53
4-Nitrophenol
Concen: 19.903 ng/ul
RT: 14.50 min Scan# 1958
Delta R.T. -0.00 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:109 Resp: 198423

Ion	Ratio	Lower	Upper
109	100		
139	134.7	101.5	152.3
65	130.4	102.5	153.7

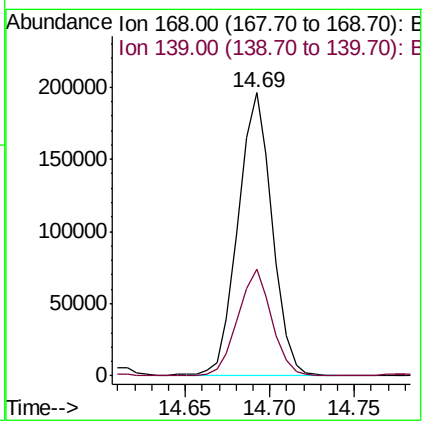


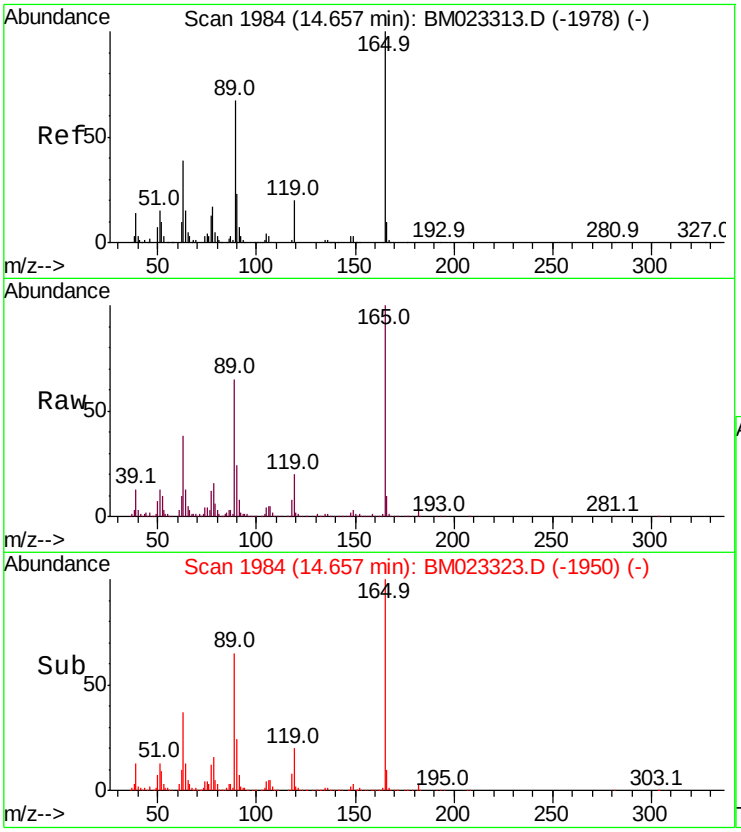


#54
Dibenzofuran
Concen: 3.399 ng/ul
RT: 14.69 min Scan# 1990
Delta R.T. -0.00 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Tgt Ion:168 Resp: 275478

Ion	Ratio	Lower	Upper
168	100		
139	37.7	31.0	46.4



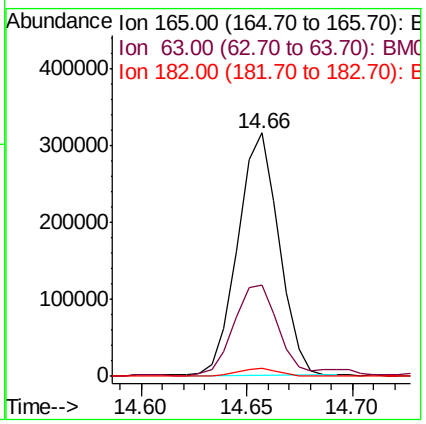


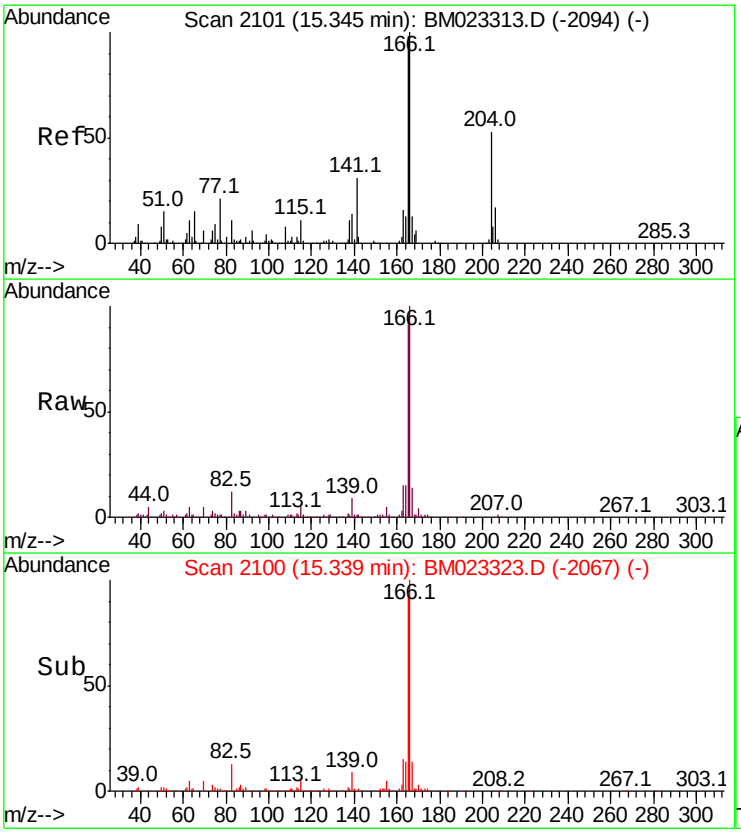
#55
2,4-Dinitrotoluene
Concen: 27.240 ng/ul
RT: 14.66 min Scan# 1984
Delta R.T. -0.00 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:165 Resp: 428081

Ion	Ratio	Lower	Upper
165	100		
63	37.6	32.1	48.1
182	3.5	2.2	3.4#

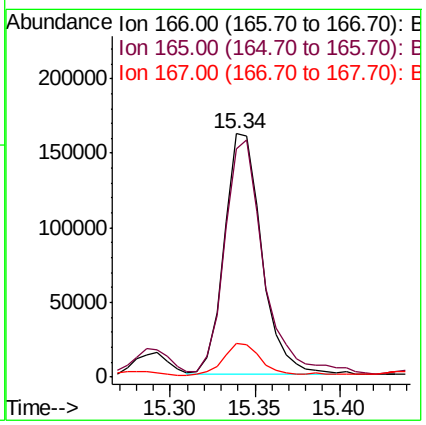


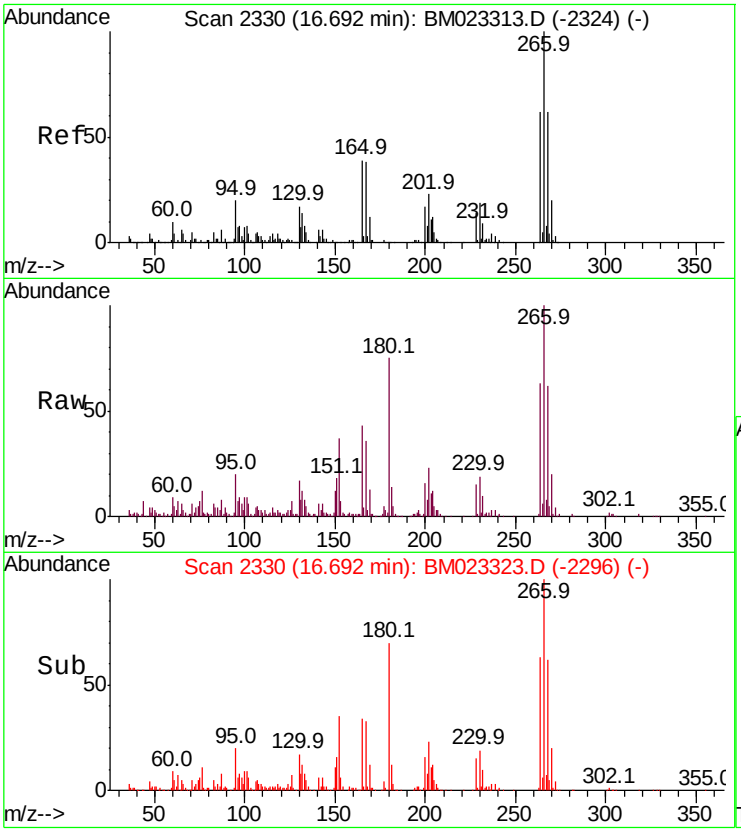


#59
Fluorene
Concen: 3.731 ng/ul
RT: 15.34 min Scan# 2100
Delta R.T. -0.01 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Tgt Ion:166 Resp: 248097

Ion	Ratio	Lower	Upper
166	100		
165	93.6	78.3	117.5
167	14.0	10.7	16.1



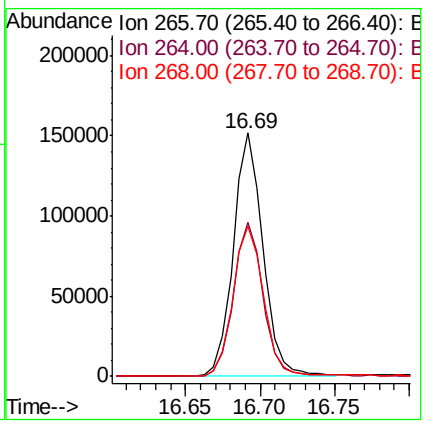


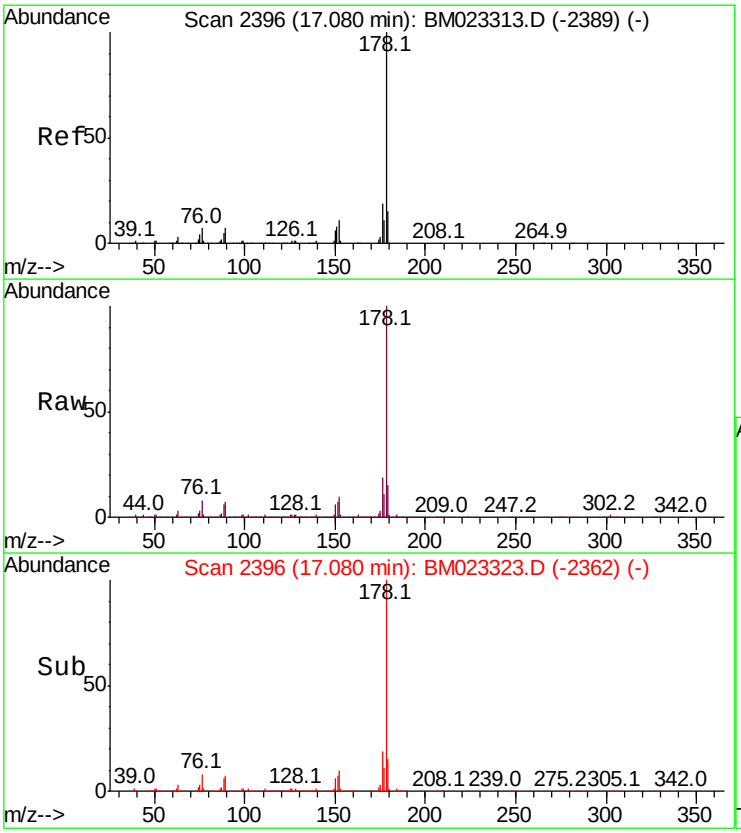
#69
Pentachlorophenol
Concen: 14.670 ng/ul
RT: 16.69 min Scan# 2330
Delta R.T. -0.00 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:266 Resp: 210759

Ion	Ratio	Lower	Upper
266	100		
264	63.0	51.0	76.4
268	61.8	52.2	78.2

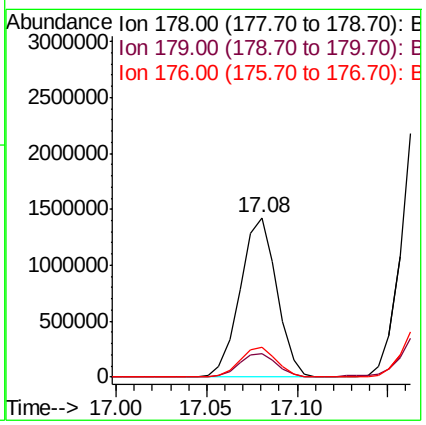


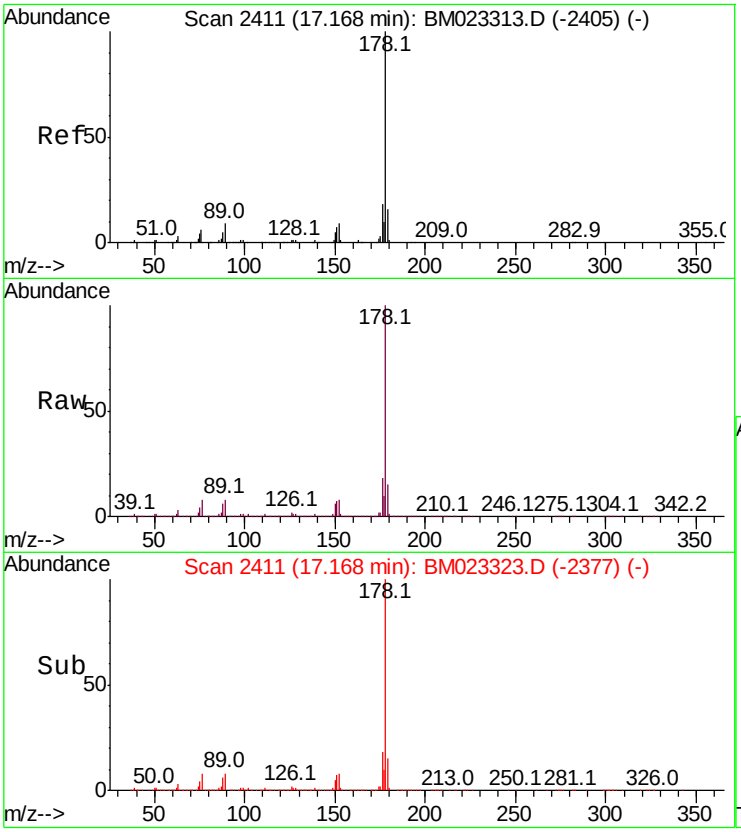


#70
Phenanthrene
Concen: 18.926 ng/ul
RT: 17.08 min Scan# 2396
Delta R.T. -0.00 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Tgt Ion:178 Resp: 1989687

Ion	Ratio	Lower	Upper
178	100		
179	15.0	11.7	17.5
176	18.8	15.0	22.4



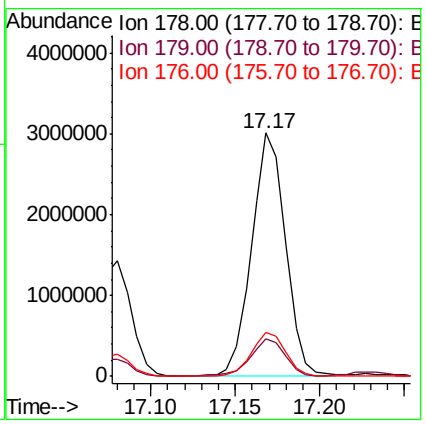


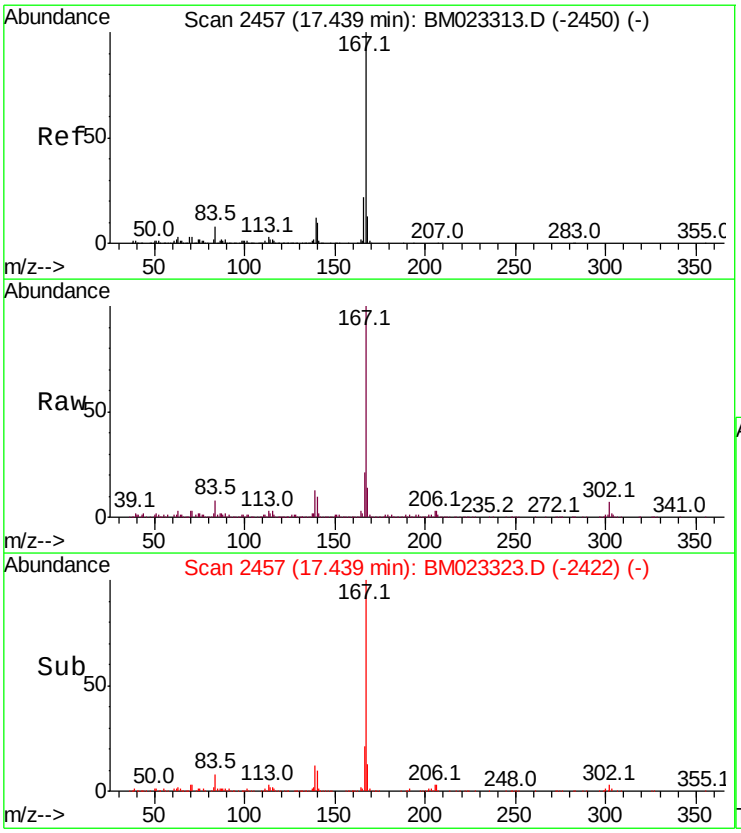
#72
Anthracene
Concen: 38.541 ng/ul
RT: 17.17 min Scan# 2411
Delta R.T. -0.00 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:178 Resp: 4187056

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.5	18.7
176	18.2	14.8	22.2

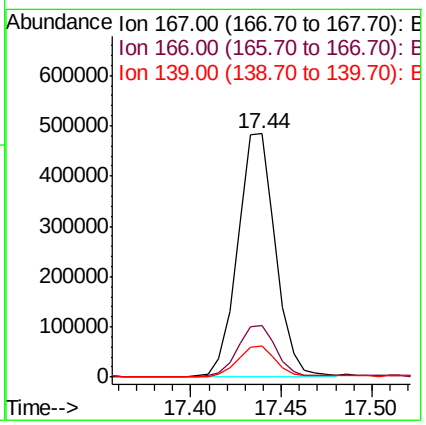


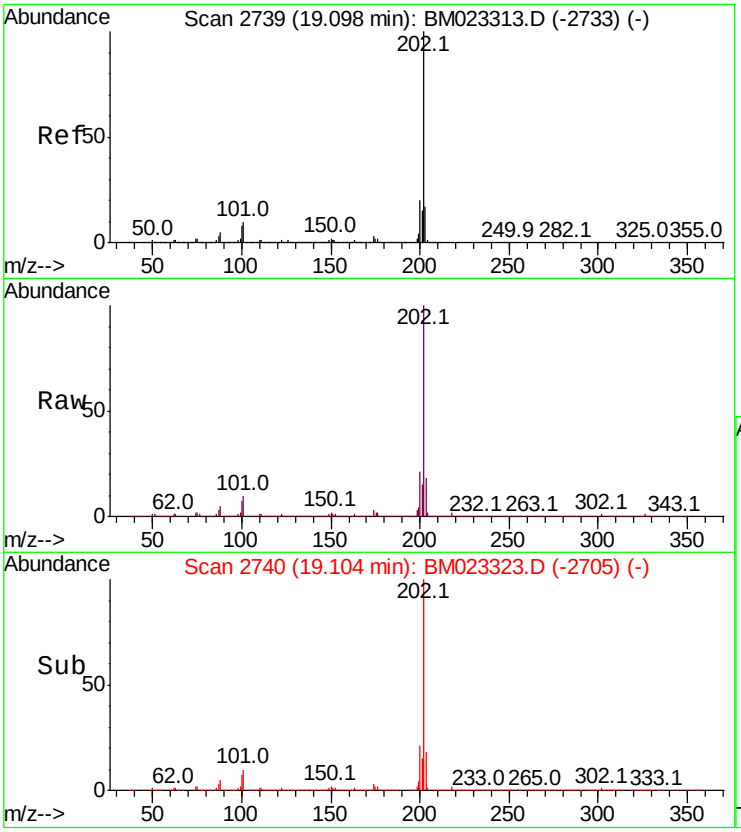


#75
Carbazole
Concen: 7.169 ng/ul
RT: 17.44 min Scan# 2457
Delta R.T. 0.01 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Tgt Ion:167 Resp: 695783

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.6
139	12.7	10.5	15.7



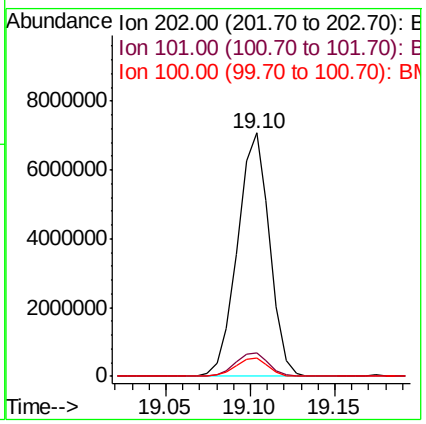


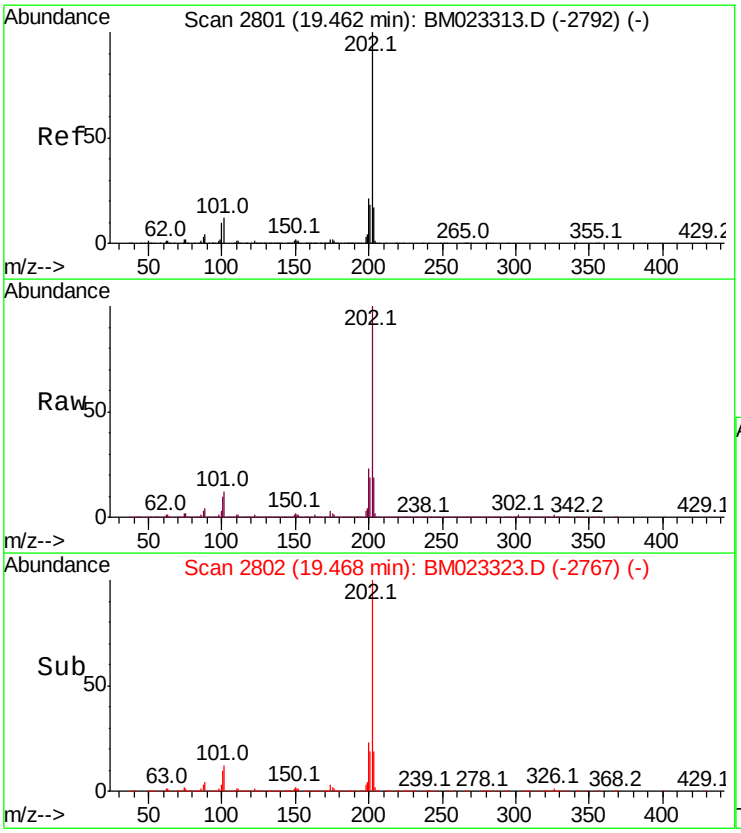
#77
Fluoranthene
Concen: 74.566 ng/ul
RT: 19.10 min Scan# 2740
Delta R.T. 0.01 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:202 Resp: 9323006

Ion	Ratio	Lower	Upper
202	100		
101	9.7	8.2	12.4
100	7.4	6.1	9.1

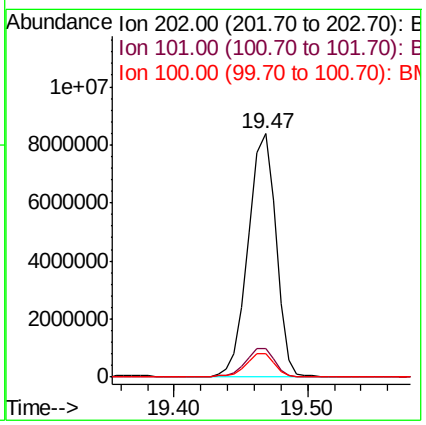


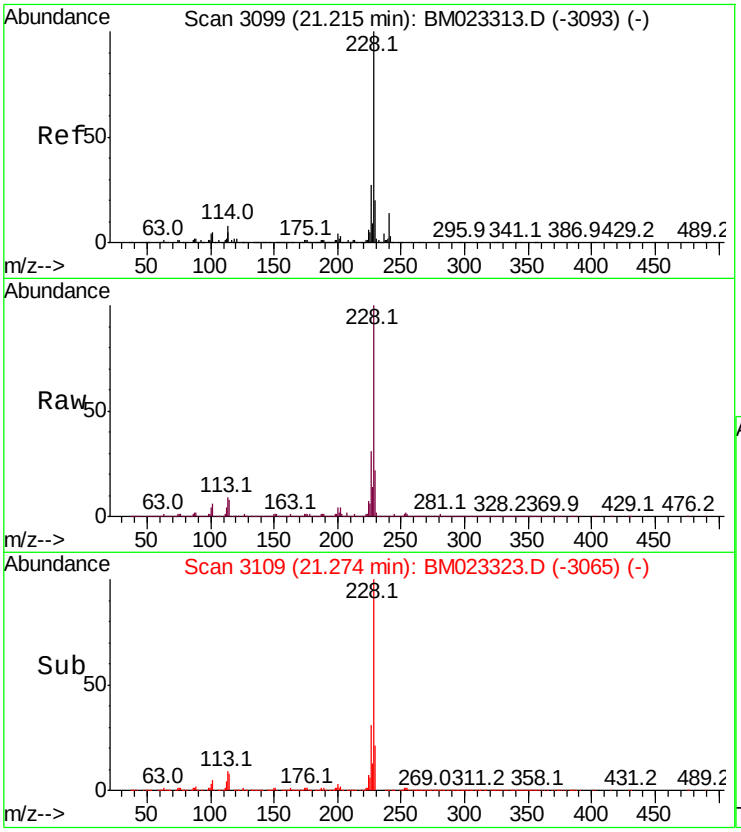


#80
Pyrene
Concen: 95.828 ng/ul
RT: 19.47 min Scan# 2802
Delta R.T. 0.01 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Tgt Ion:202 Resp:12028307

Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.0	13.6
100	9.8	7.5	11.3



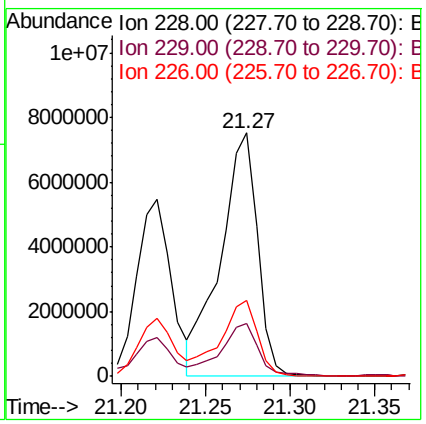


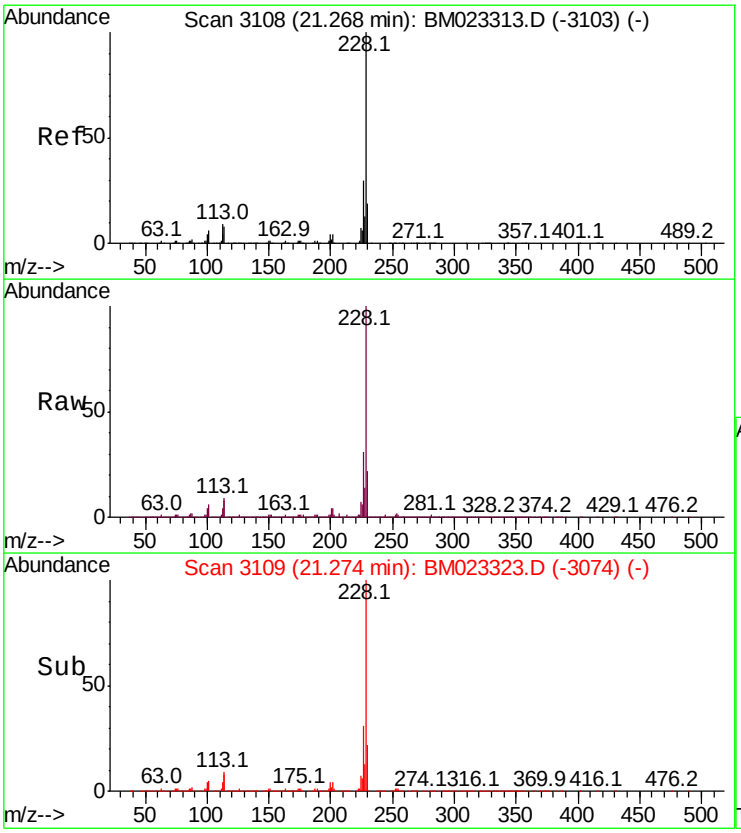
#83
Benzo(a)anthracene
Concen: 83.951 ng/ul
RT: 21.27 min Scan# 3109
Delta R.T. 0.06 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:228 Resp:11397363

Ion	Ratio	Lower	Upper
228	100		
229	21.9	15.8	23.8
226	31.0	21.5	32.3

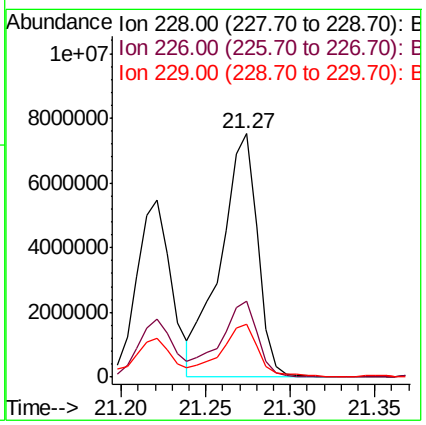


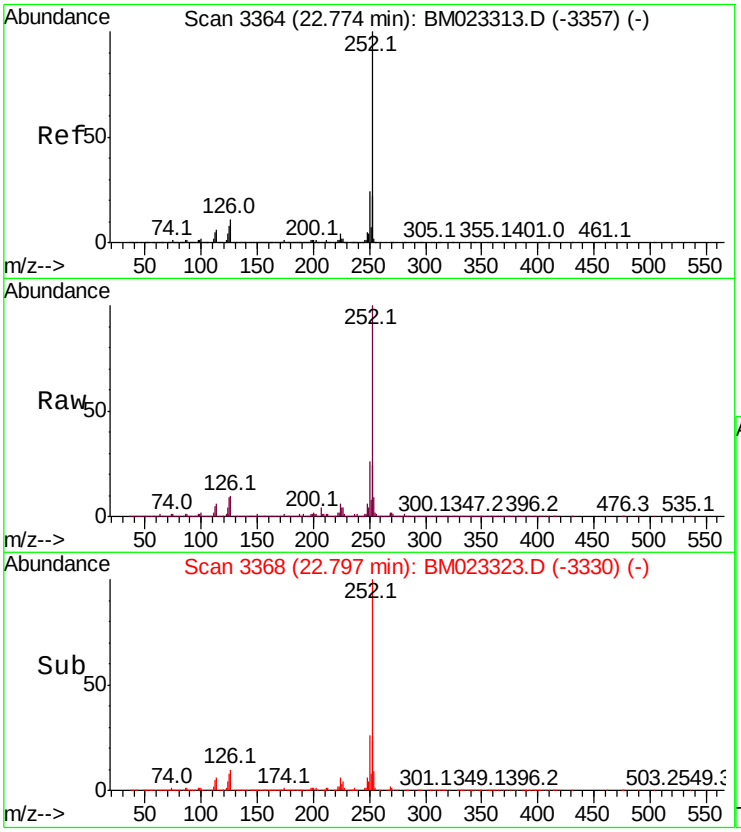


#85
Chrysene
Concen: 90.414 ng/ul
RT: 21.27 min Scan# 3109
Delta R.T. 0.01 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Tgt Ion:228 Resp:11397612

Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.4	35.0
229	21.9	15.5	23.3



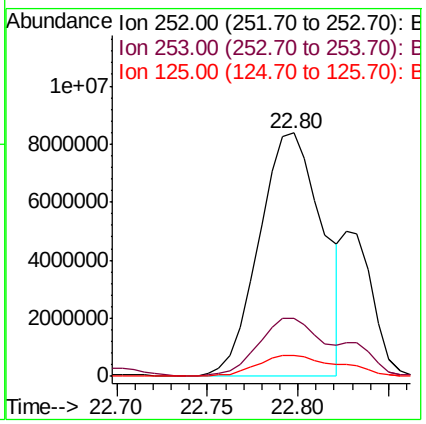


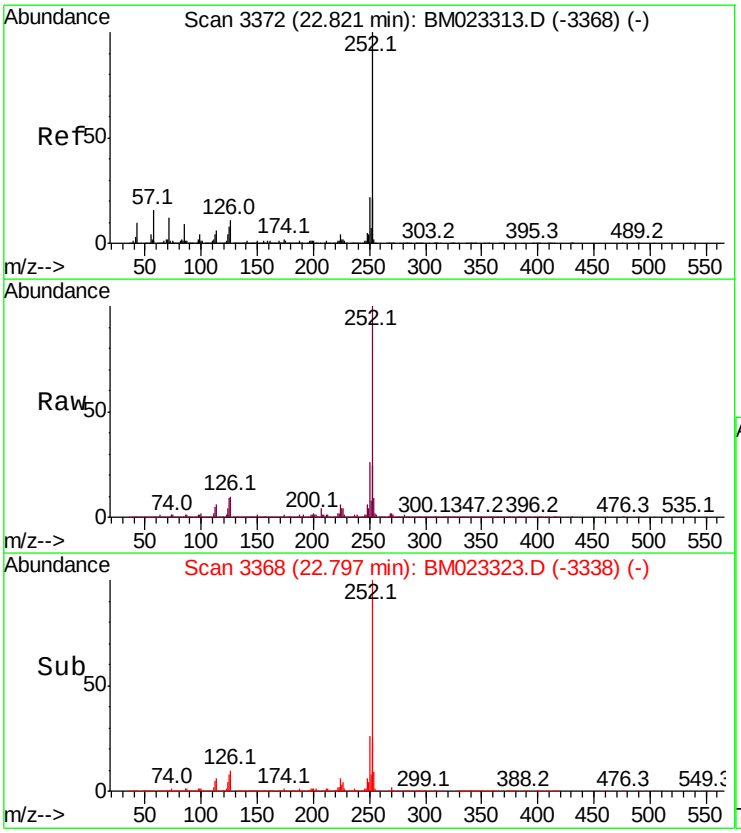
#88
Benzo(b)fluoranthene
Concen: 123.840 ng/ul
RT: 22.80 min Scan# 3368
Delta R.T. 0.02 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp:20383672

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.3	25.9
125	8.6	7.0	10.4

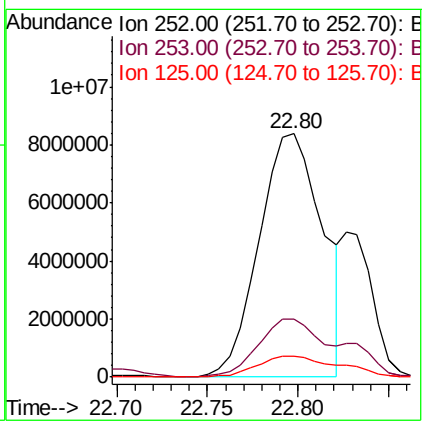


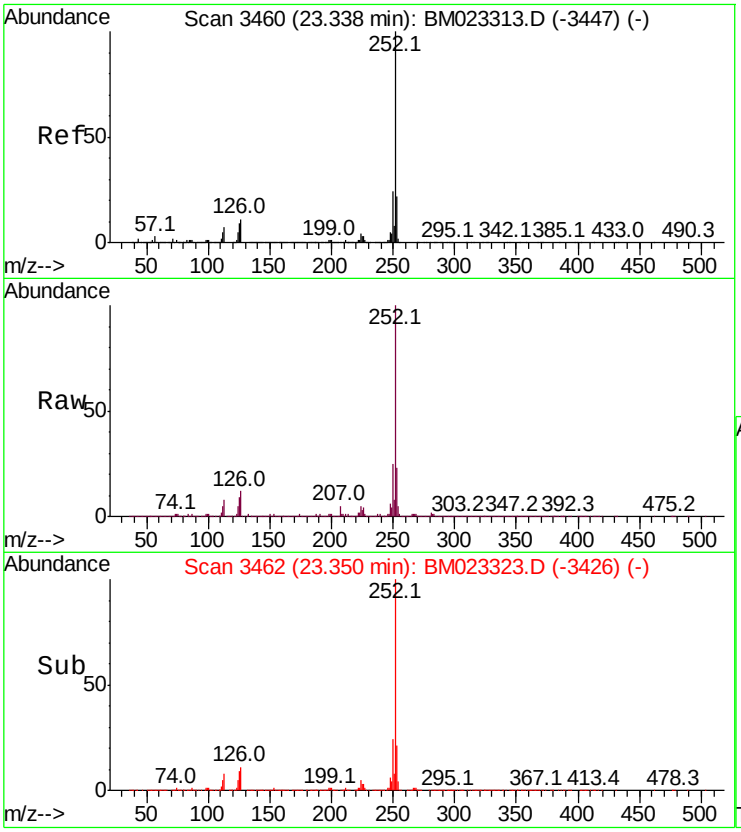


#89
Benzo(k)fluoranthene
Concen: 128.972 ng/ul
RT: 22.80 min Scan# 3368
Delta R.T. -0.02 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Tgt Ion:252 Resp:20383672

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	8.6	6.6	9.8



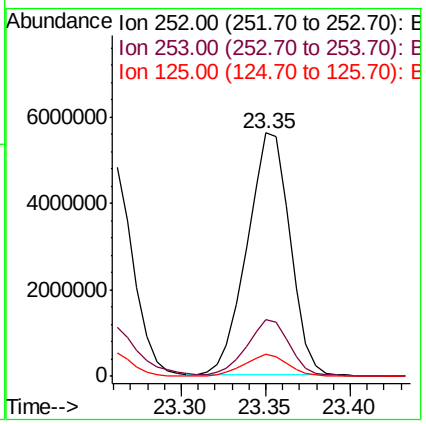


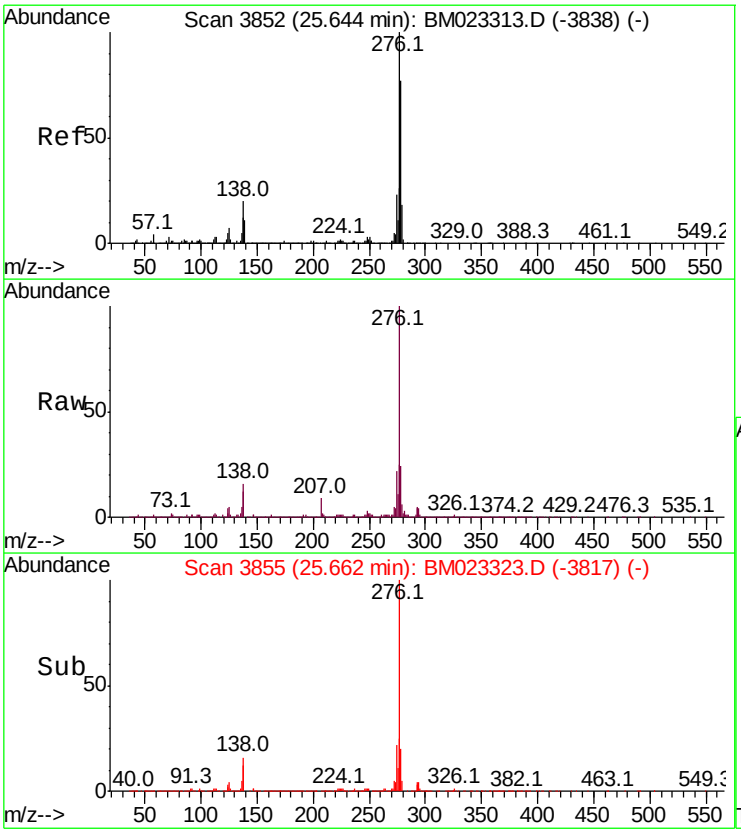
#91
Benzo(a)pyrene
Concen: 62.497 ng/ul
RT: 23.35 min Scan# 3462
Delta R.T. 0.01 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 9869187

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	8.9	7.1	10.7

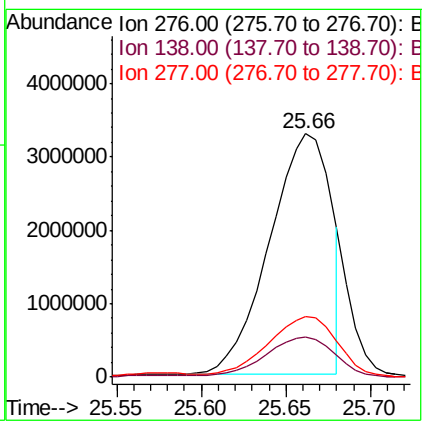


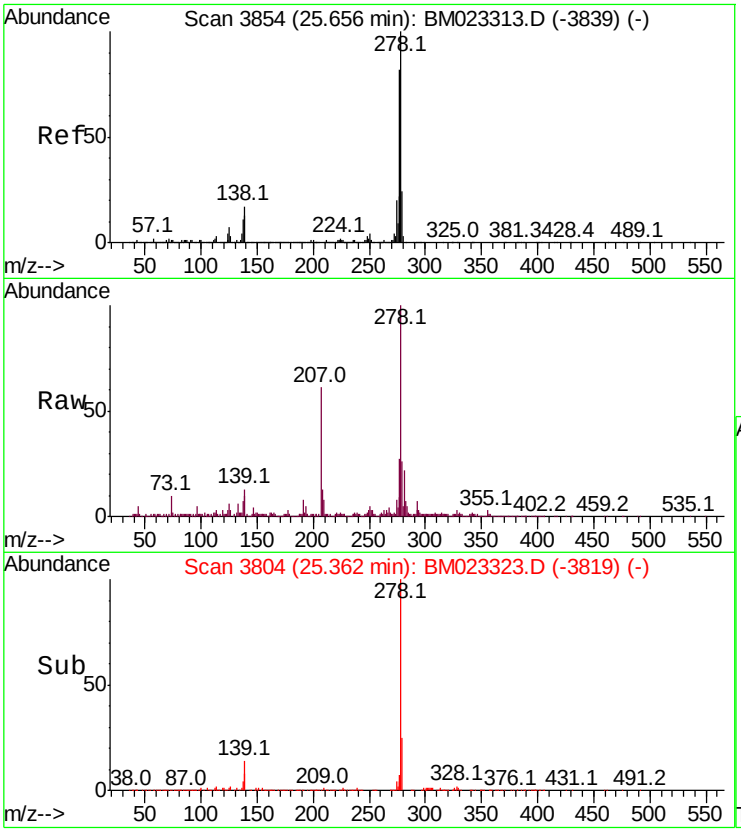


#92
Indeno(1,2,3-cd)pyrene
Concen: 43.972 ng/ul
RT: 25.66 min Scan# 3855
Delta R.T. 0.02 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Tgt Ion:276 Resp: 8260645

Ion	Ratio	Lower	Upper
276	100		
138	16.3	15.8	23.6
277	25.0	19.8	29.8



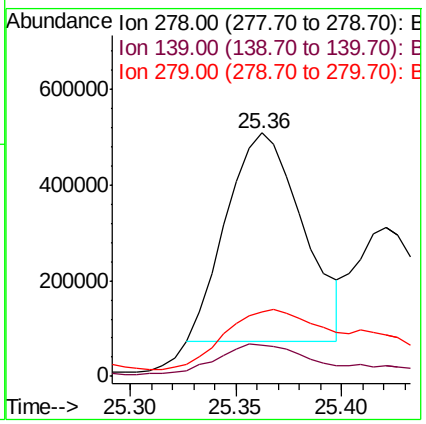


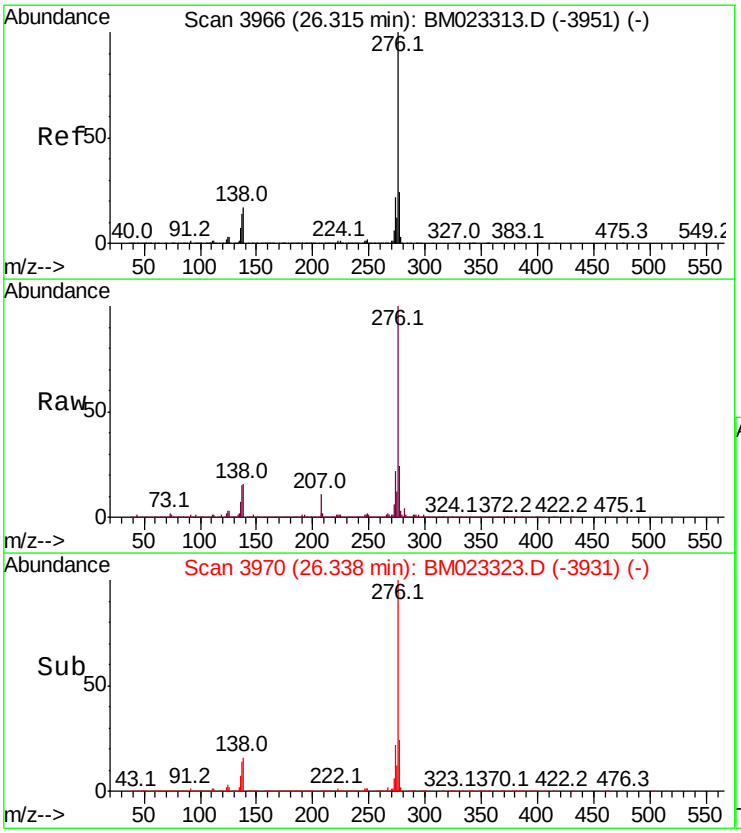
#93
Dibenzo(a,h)anthracene
Concen: 6.958 ng/ul
RT: 25.36 min Scan# 3804
Delta R.T. -0.29 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:278 Resp: 1093003

Ion	Ratio	Lower	Upper
278	100		
139	13.0	10.5	15.7
279	26.5	19.7	29.5





#94
Benzo(g,h,i)perylene
Concen: 38.486 ng/ul
RT: 26.34 min Scan# 3970
Delta R.T. 0.03 min
Lab File: BM023323.D
Acq: 22 Oct 2019 17:45

Tgt Ion:276 Resp: 5952792

Ion	Ratio	Lower	Upper
276	100		
138	16.4	13.9	20.9
277	24.2	18.7	28.1