Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM071719\
Data File : BM021526.D
Acq On : 18 Jul 2019 16:40
Operator : HP/JU
Sample : K3822-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-02-072219

Quant Time: Jul 19 00:42:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 19 00:39:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	169333	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	642219	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.36	164	393351	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.12	188	857393	20.00	ng/ul	0.00
77) Chrysene-d12	21.31	240	872742	20.00	ng/ul	0.00
85) Perylene-d12	23.56	264	1024128	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.26	96	4070	1.18	ng/uL	0.00
5) Phenol-d5	6.90	99	75280	5.72	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.06	67	161213	20.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	179995	15.88	ng/ul	0.00
13) 4-Methylphenol-d8	8.43	113	125314	11.95	ng/ul	0.00
19) Nitrobenzene-d5	8.89	128	105398	19.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.60	143	109862	18.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.14	165	213153	17.87	ng/ul	0.01
29) 4-Chloroaniline-d4	10.66	131	76191	7.06	ng/ul	0.00
43) Dimethylphthalate-d6	13.78	166	675415	19.61	ng/ul	0.00
46) Acenaphthylene-d8	14.06	160	772389	17.86	ng/ul	0.00
51) 4-Nitrophenol-d4	14.60	143	18979	3.48	ng/ul	0.01
57) Fluorene-d10	15.36	176	589877	19.18	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	63785	11.07	ng/ul	0.01
70) Anthracene-d10	17.22	188	915524	20.56	ng/ul	0.00
78) Pyrene-d10	19.52	212	1035365	21.62	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.42	264	1195722	20.30	ng/ul	0.00
Target Compounds						Qvalue
4) Benzaldehyde	6.86	77	13928	1.959	ng/ul#	1
6) Phenol	6.92	94	17535	1.391	ng/ul#	86
16) 4-Methylphenol	8.49	108	103565	10.172	ng/ul	84
17) Hexachloroethane	8.81	117	28272	5.937	ng/ul#	1
30) 4-Chloroaniline	10.63	127	14734599	1429.131	ng/ul#	13
34) 2-Methylnaphthalene	12.19	142	12466622	506.024	ng/ul	98
40) 1,1'-Biphenyl	13.19	154	2523217	76.642	ng/ul	100
44) Dimethylphthalate	13.83	163	265625	8.280	ng/ul	99
47) Acenaphthylene	14.09	152	1719428	45.691	ng/ul	98
49) Acenaphthene	14.44	153	7395666	270.460	ng/ul	99
53) Dibenzofuran	14.77	168	9404750	237.422	ng/ul	99
54) 2,4-Dinitrotoluene	14.76	165	10535	1.176	ng/ul#	1
58) Fluorene	15.42	166	7444815	232.307	ng/ul	99
60) 4-Nitroaniline	15.42	138	82064	15.210	ng/ul#	19
64) N-Nitrosodiphenylamine	15.62	169	31452	1.233	ng/ul#	1
69) Phenanthrene	17.25	178	2285820	47.281	ng/ul	98
71) Anthracene	17.25	178	2288767	46.514	ng/ul	99
74) Carbazole	17.54	167	6812085	166.792	ng/ul	99
76) Fluoranthene	19.19	202	12025524	209.482	ng/ul	98
79) Pyrene	19.55	202	8705709	150.722	ng/ul	100
82) Benzo(a)anthracene	21.29	228	2868671	47.997	ng/ul	98
84) Chrysene	21.29	228	2889122	51.420	ng/ul	97
87) Benzo(b)fluoranthene	22.89	252	1713416	26.847	ng/ul	99

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM071719\
Data File : BM021526.D
Acq On : 18 Jul 2019 16:40
Operator : HP/JU
Sample : K3822-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-02-072219

Quant Time: Jul 19 00:42:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 19 00:39:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(k)fluoranthene	22.89	252	1713416	26.954	ng/ul	98
90) Benzo(a)pyrene	23.46	252	1090371	17.688	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.83	276	402879	5.291	ng/ul	98
92) Dibenzo(a,h)anthracene	25.83	278	117156	1.830	ng/ul#	85
93) Benzo(g,h,i)perylene	26.52	276	321280	5.114	ng/ul	98

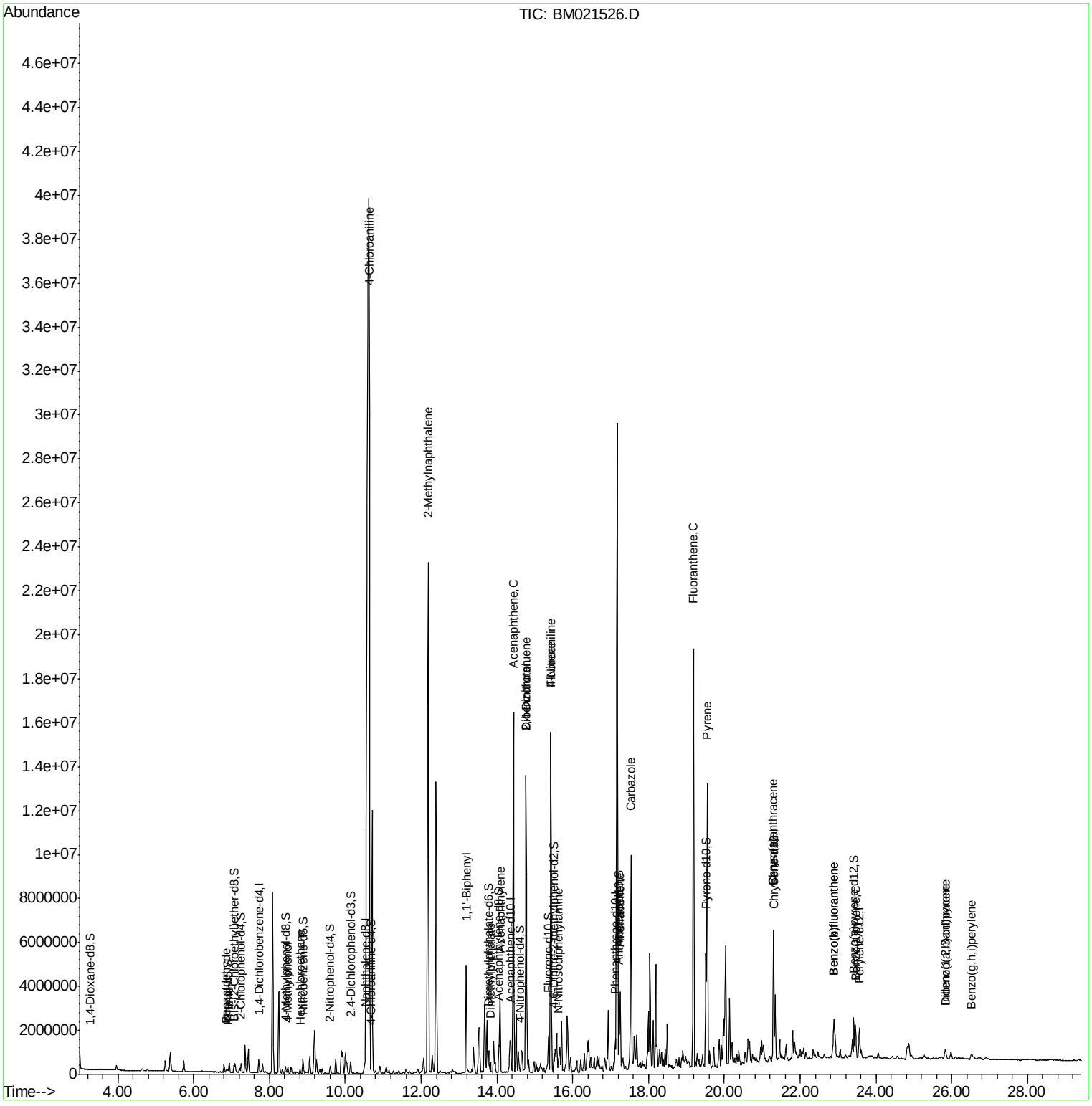
(#) = qualifier out of range (m) = manual integration (+) = signals summed

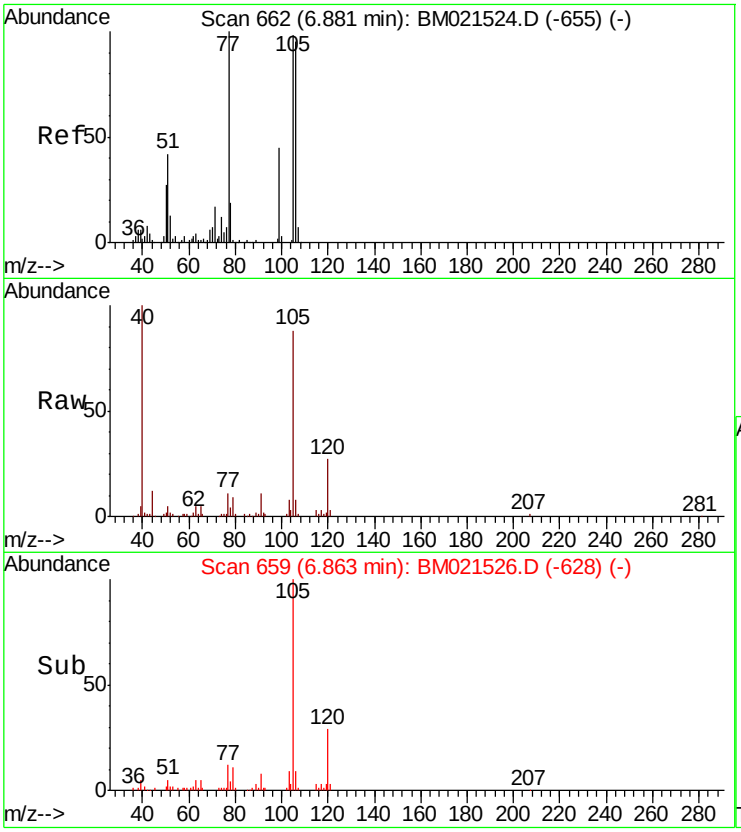
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM071719\
Data File : BM021526.D
Acq On : 18 Jul 2019 16:40
Operator : HP/JU
Sample : K3822-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
HD-02-072219

Quant Time: Jul 19 00:42:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 19 00:39:42 2019
Response via : Initial Calibration



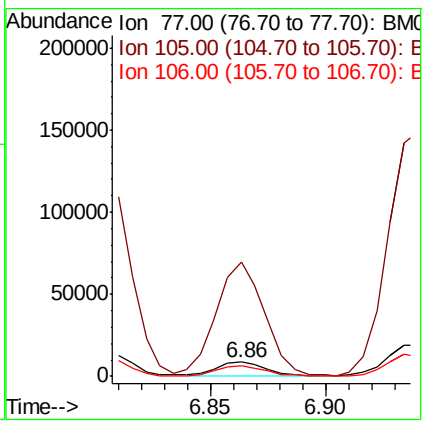


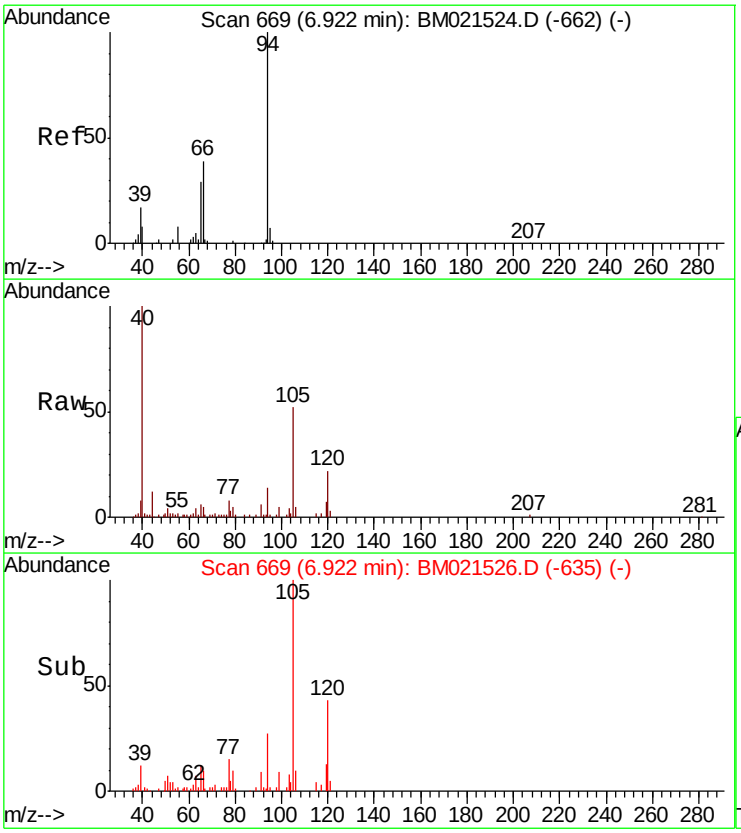
#4
Benzaldehyde
Concen: 1.959 ng/ul
RT: 6.86 min Scan# 659
Delta R.T. -0.02 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Instrument :
BNA_M
ClientSampleId :
HD-02-072219

Tgt Ion: 77 Resp: 13928

Ion	Ratio	Lower	Upper
77	100		
105	803.5	76.8	115.2#
106	72.6	71.4	107.2

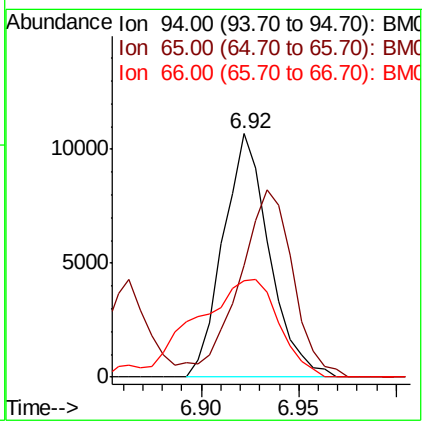


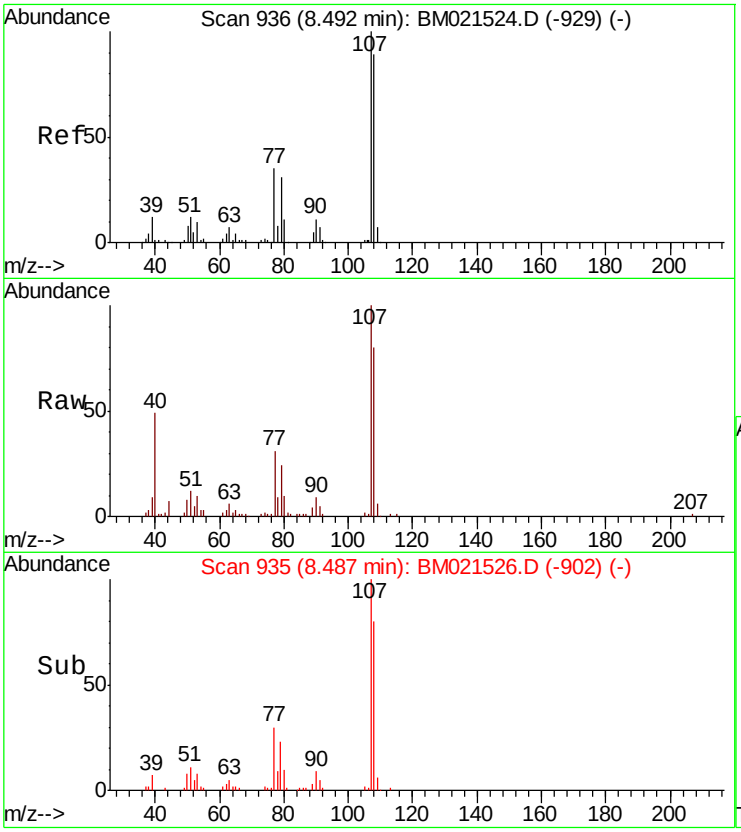


#6
Phenol
Concen: 1.391 ng/ul
RT: 6.92 min Scan# 669
Delta R.T. 0.00 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Tgt Ion: 94 Resp: 17535

Ion	Ratio	Lower	Upper
94	100		
65	45.9	23.0	34.6#
66	39.3	31.6	47.4



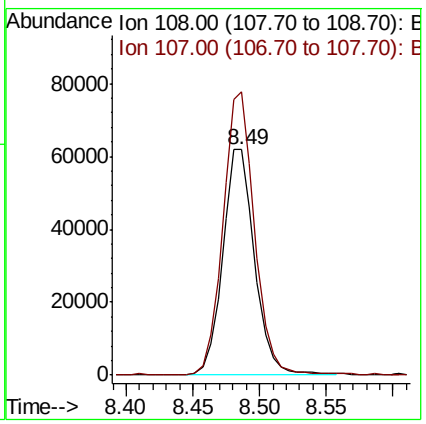


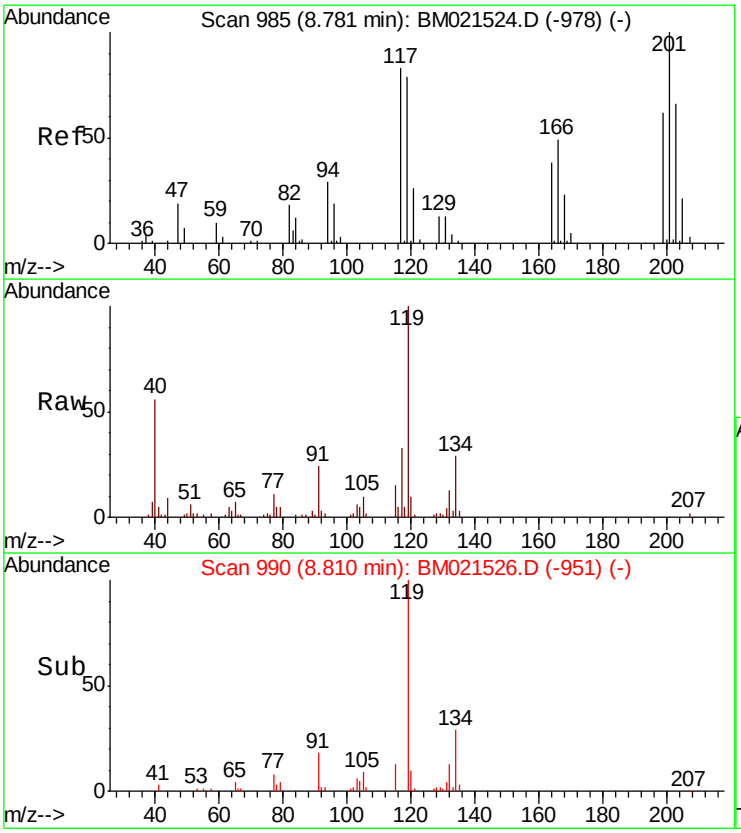
#16
4-Methylphenol
Concen: 10.172 ng/ul
RT: 8.49 min Scan# 935
Delta R.T. -0.01 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Instrument :
BNA_M
ClientSampleId :
HD-02-072219

Tgt Ion:108 Resp: 103565

Ion	Ratio	Lower	Upper
108	100		
107	125.5	87.2	130.8

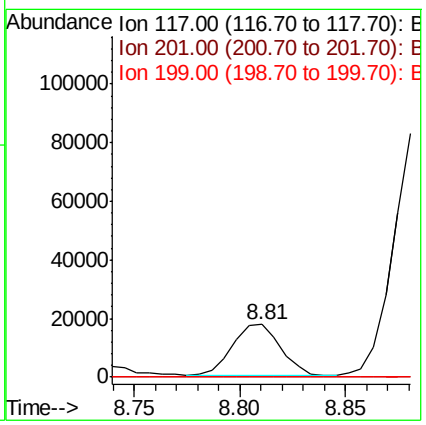


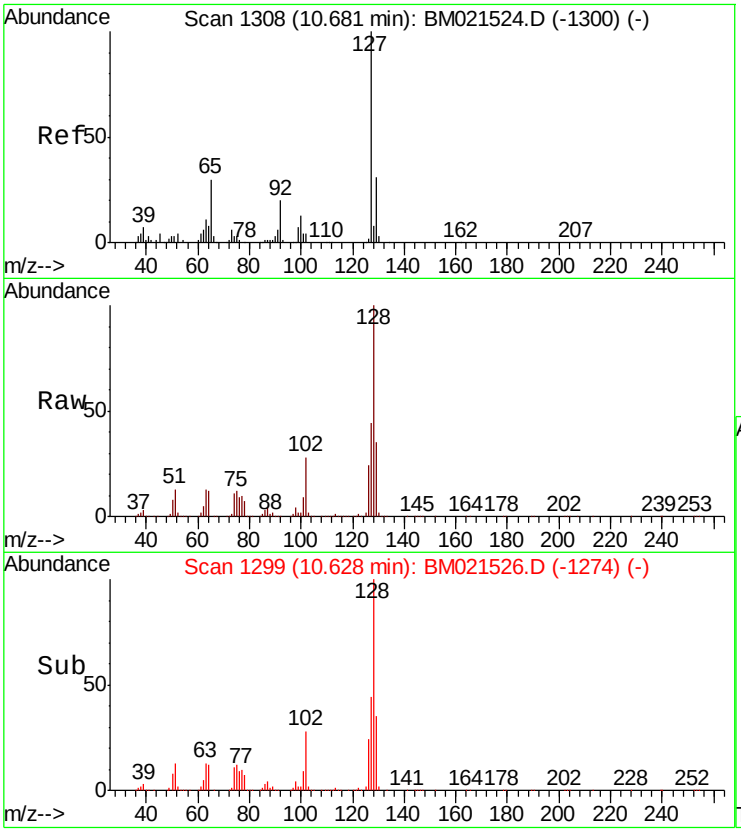


#17
Hexachloroethane
Concen: 5.937 ng/ul
RT: 8.81 min Scan# 990
Delta R.T. 0.03 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Tgt Ion:117 Resp: 28272

Ion	Ratio	Lower	Upper
117	100		
201	0.0	99.7	149.5#
199	0.0	62.2	93.4#



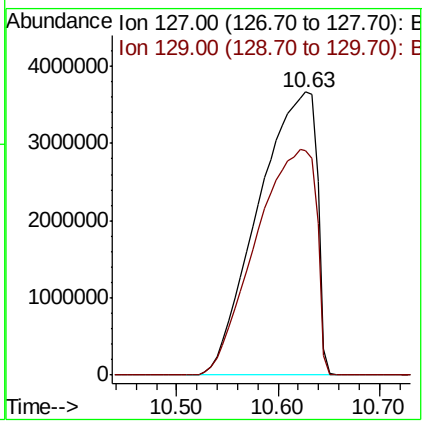


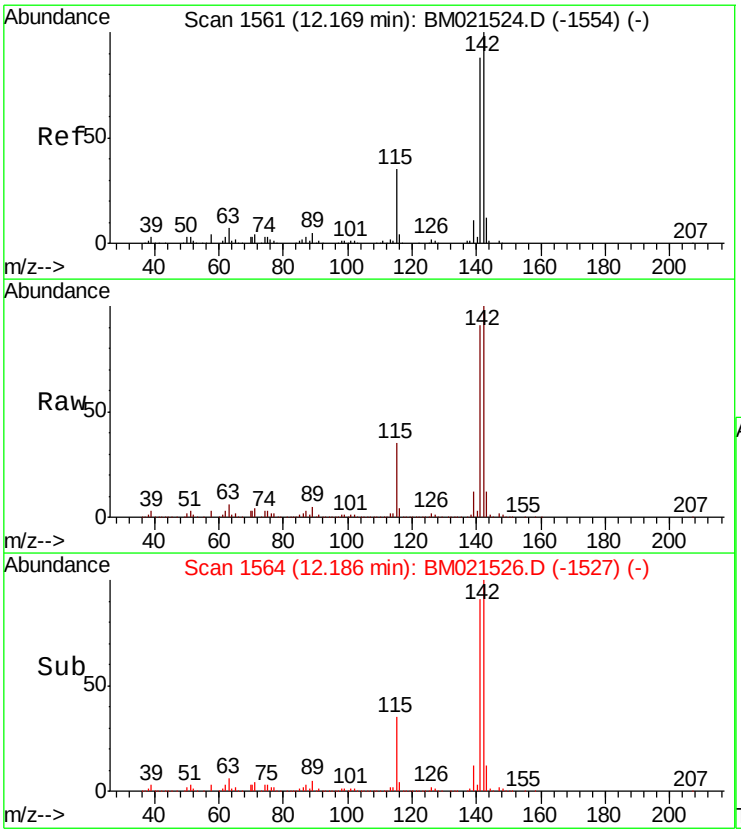
#30
4-Chloroaniline
Concen: 1429.131 ng/ul
RT: 10.63 min Scan# 1299
Delta R.T. -0.05 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Instrument :
BNA_M
ClientSampleId :
HD-02-072219

Tgt Ion:127 Resp:14734599

Ion	Ratio	Lower	Upper
127	100		
129	79.3	25.0	37.6#

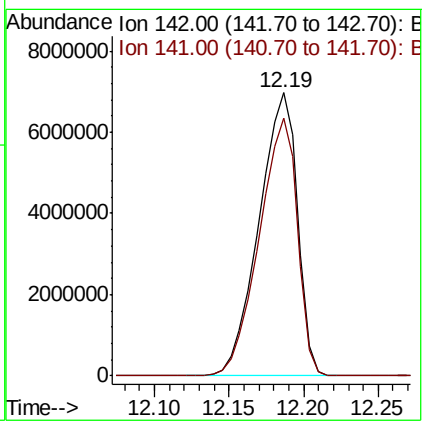


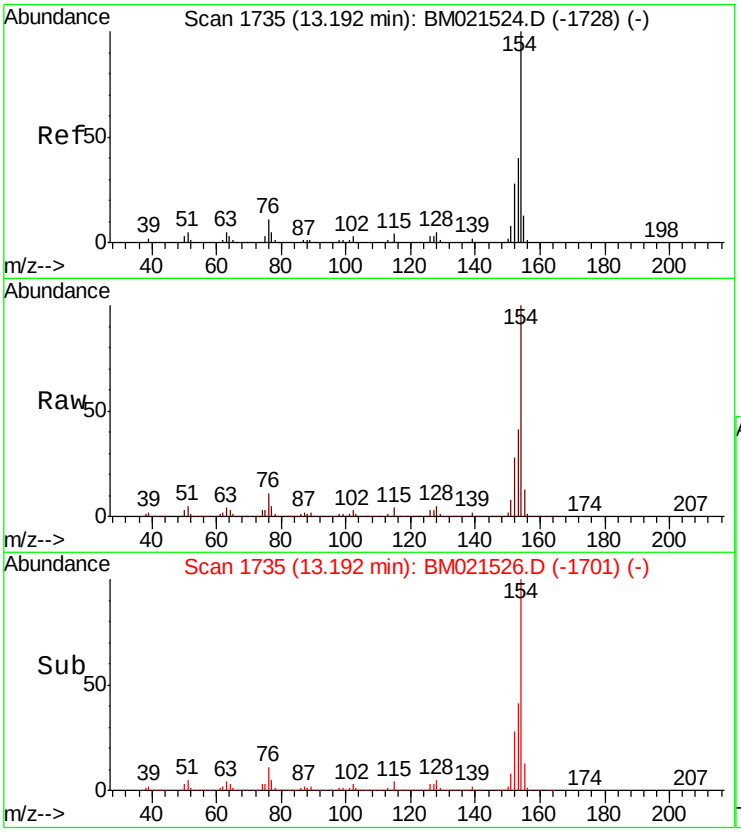


#34
2-Methylnaphthalene
Concen: 506.024 ng/ul
RT: 12.19 min Scan# 1564
Delta R.T. 0.02 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Tgt Ion:142 Resp:12466622

Ion	Ratio	Lower	Upper
142	100		
141	90.9	71.1	106.7



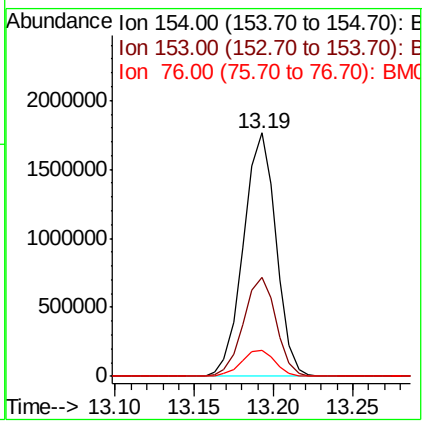


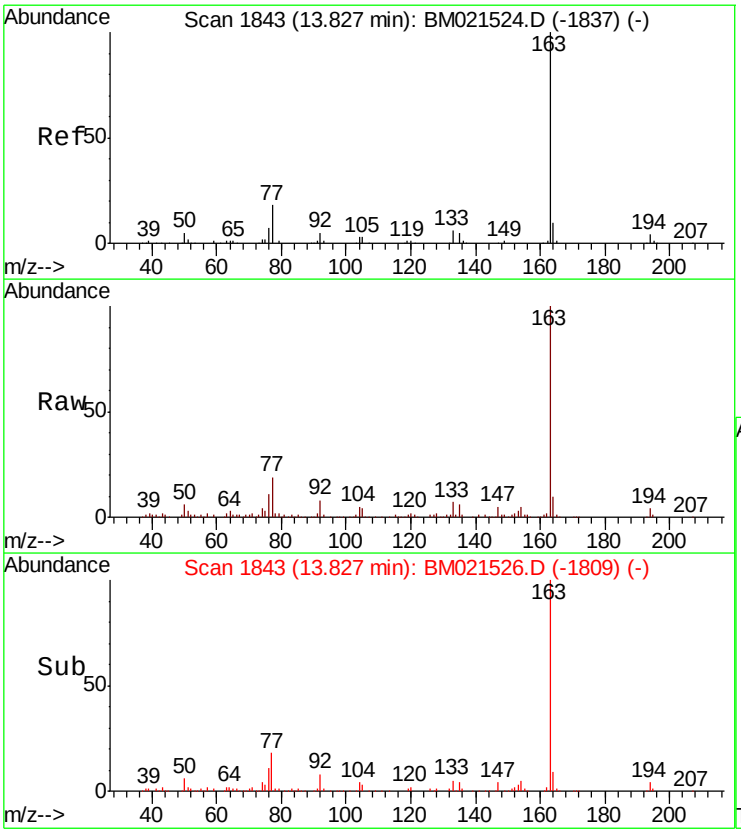
#40
1,1'-Biphenyl
Concen: 76.642 ng/ul
RT: 13.19 min Scan# 1735
Delta R.T. 0.00 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Instrument :
BNA_M
ClientSampleId :
HD-02-072219

Tgt Ion:154 Resp: 2523217

Ion	Ratio	Lower	Upper
154	100		
153	40.8	32.7	49.1
76	10.9	8.5	12.7

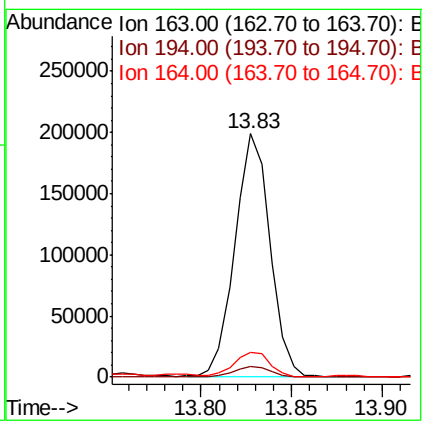


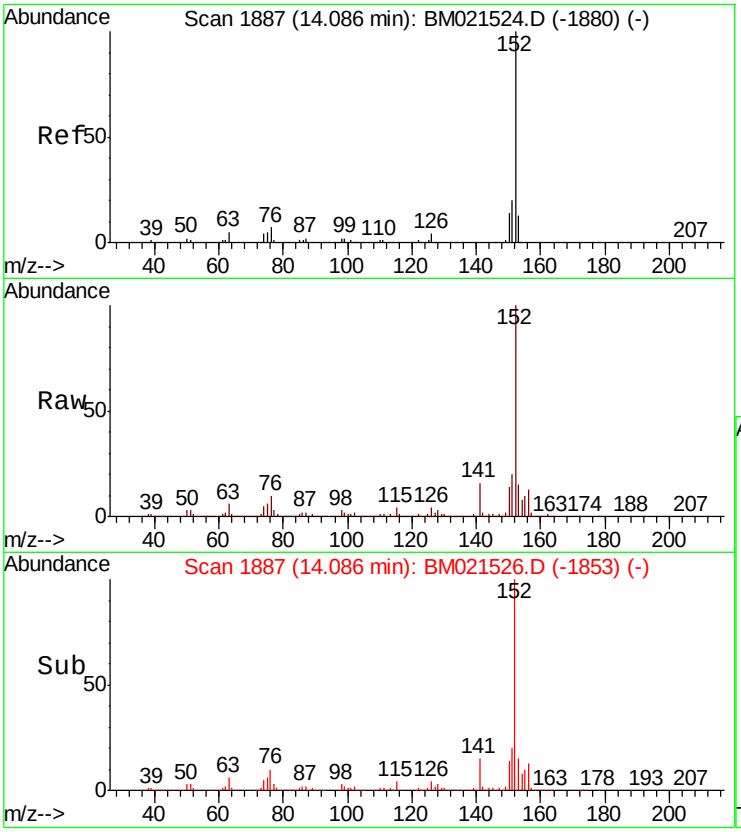


#44
Dimethylphthalate
Concen: 8.280 ng/ul
RT: 13.83 min Scan# 1843
Delta R.T. 0.00 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Tgt Ion:163 Resp: 265625

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.6	5.4
164	10.0	8.3	12.5



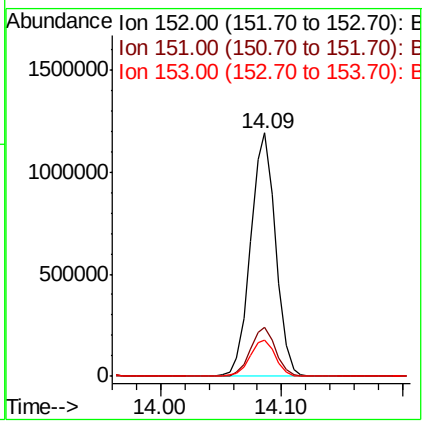


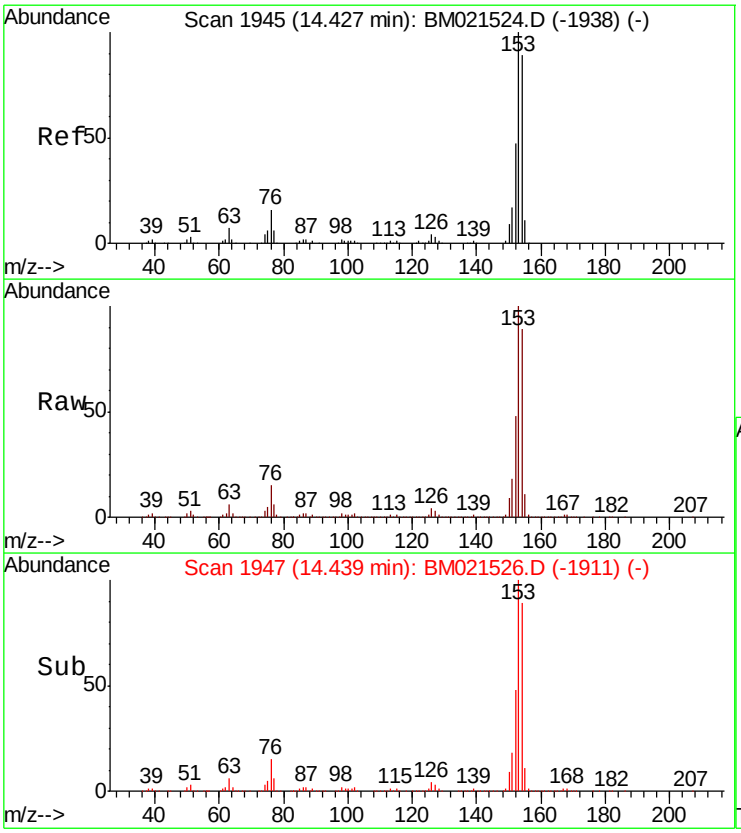
#47
Acenaphthylene
Concen: 45.691 ng/ul
RT: 14.09 min Scan# 1887
Delta R.T. -0.00 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Instrument :
BNA_M
ClientSampleId :
HD-02-072219

Tgt Ion:152 Resp: 1719428

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	15.1	10.6	15.8

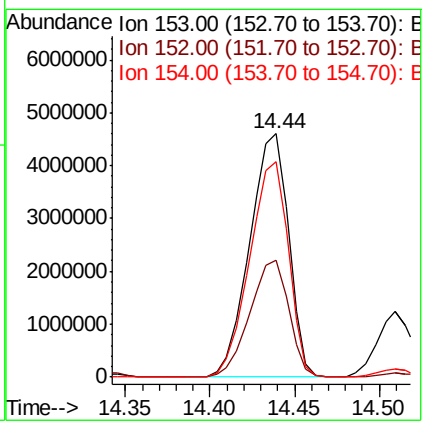


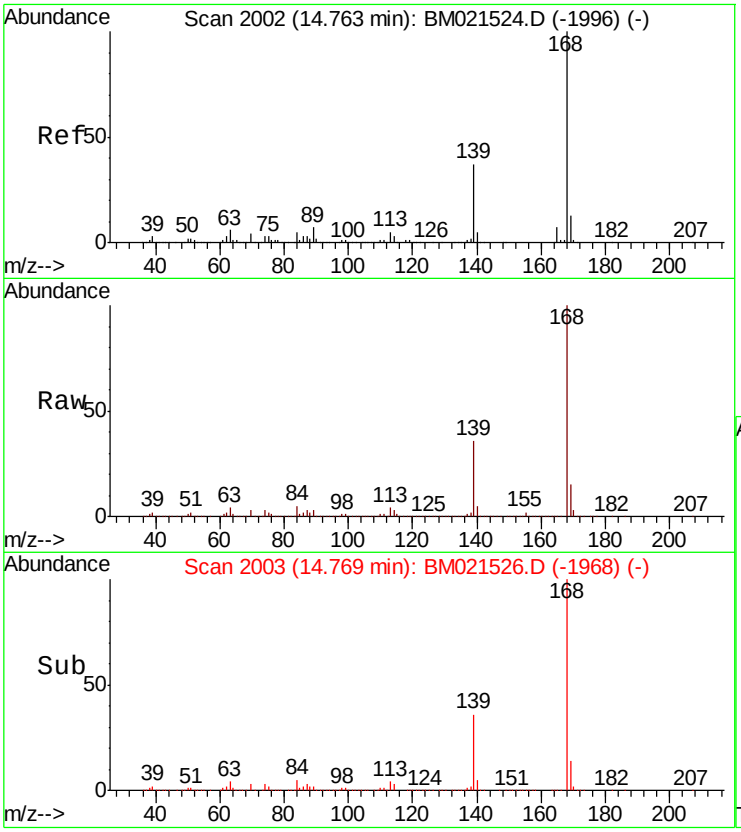


#49
Acenaphthene
Concen: 270.460 ng/ul
RT: 14.44 min Scan# 1947
Delta R.T. 0.01 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Tgt Ion:153 Resp: 7395666

Ion	Ratio	Lower	Upper
153	100		
152	48.1	38.2	57.4
154	88.6	70.0	105.0



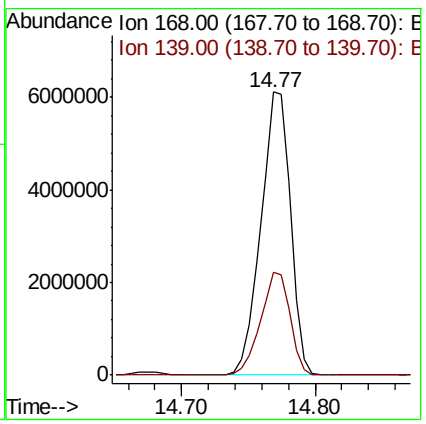


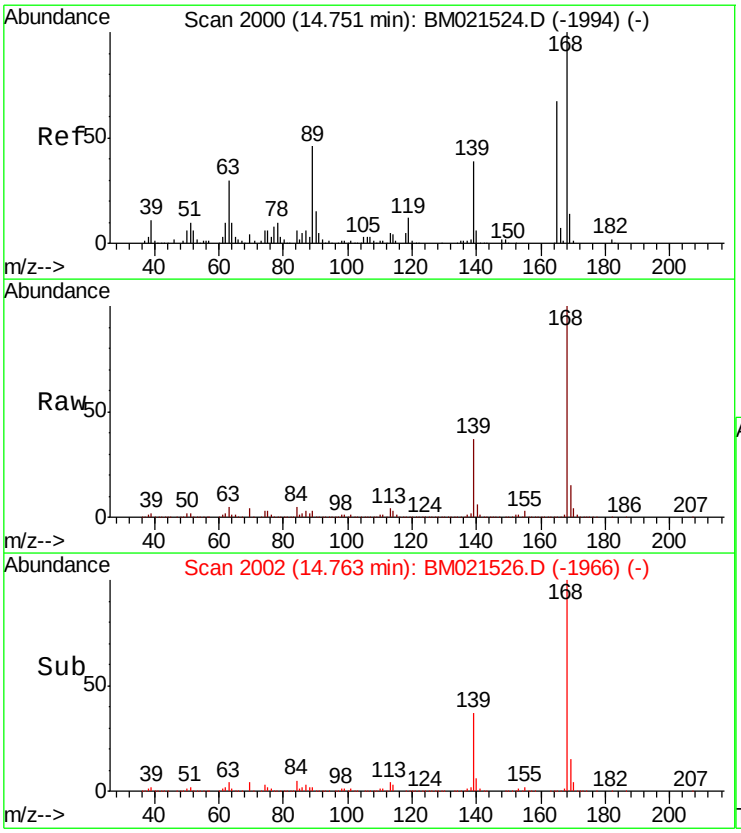
#53
Dibenzofuran
Concen: 237.422 ng/ul
RT: 14.77 min Scan# 2003
Delta R.T. 0.01 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Instrument :
BNA_M
ClientSampleId :
HD-02-072219

Tgt Ion:168 Resp: 9404750

Ion	Ratio	Lower	Upper
168	100		
139	36.3	28.4	42.6

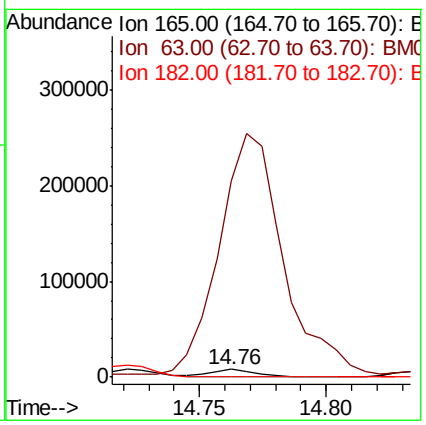


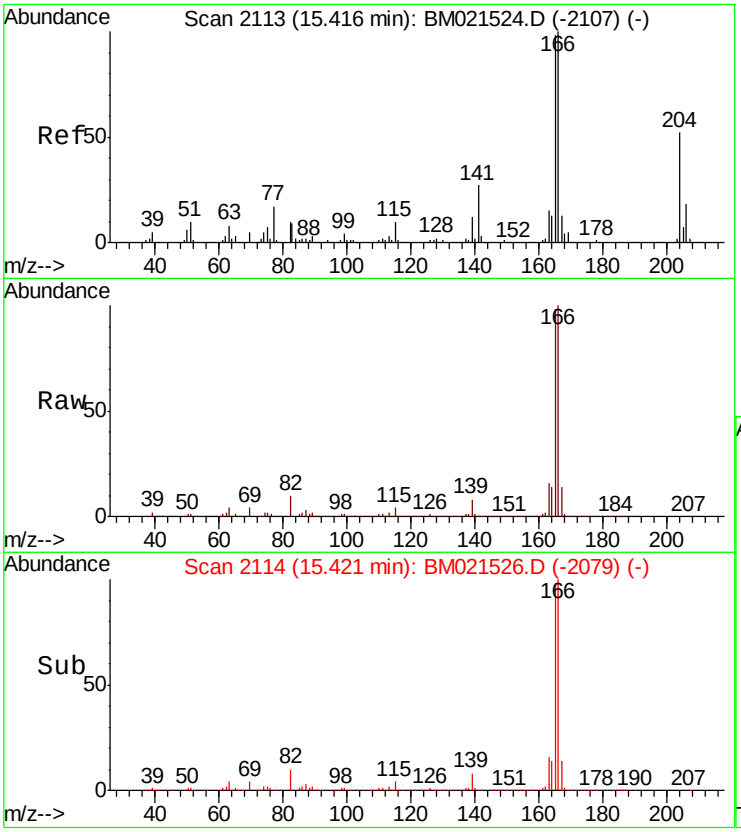


#54
2,4-Dinitrotoluene
Concen: 1.176 ng/ul
RT: 14.76 min Scan# 2002
Delta R.T. 0.01 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Tgt Ion:165 Resp: 10535

Ion	Ratio	Lower	Upper
165	100		
63	2587.9	33.1	49.7#
182	6.2	2.2	3.4#



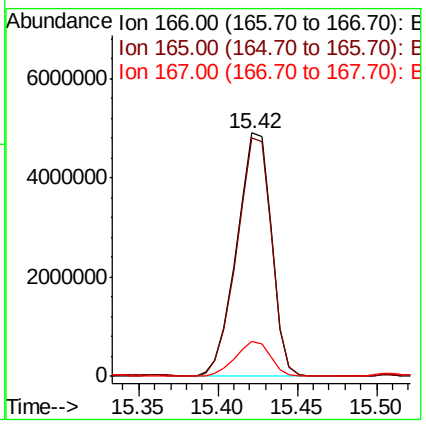


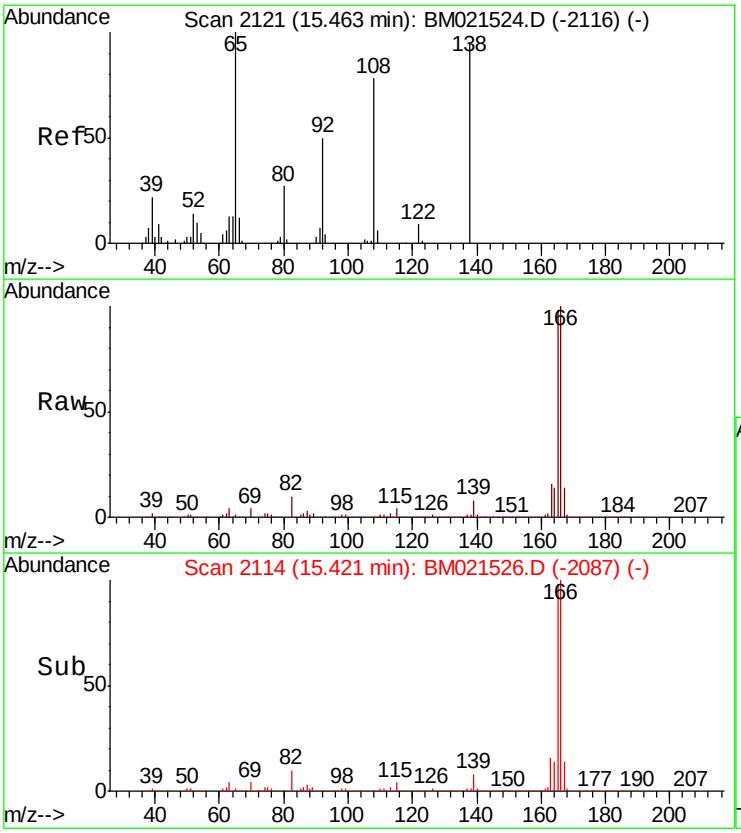
#58
Fluorene
Concen: 232.307 ng/ul
RT: 15.42 min Scan# 2114
Delta R.T. 0.01 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Instrument :
BNA_M
ClientSampleId :
HD-02-072219

Tgt Ion:166 Resp: 7444815

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.6	117.8
167	14.4	10.7	16.1

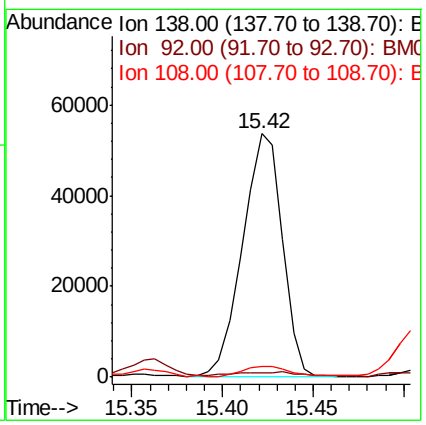


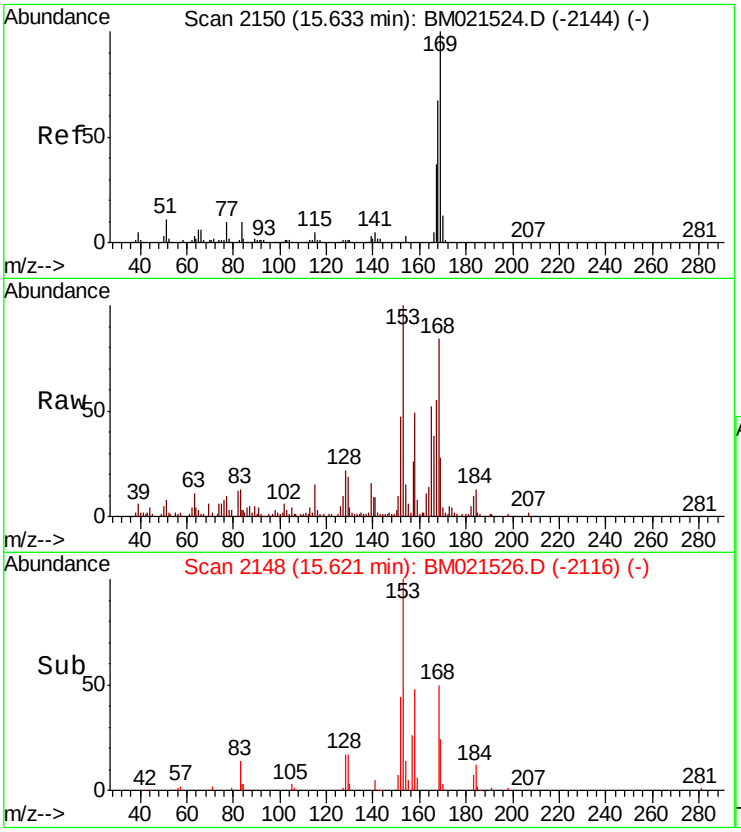


#60
4-Nitroaniline
Concen: 15.210 ng/ul
RT: 15.42 min Scan# 2114
Delta R.T. -0.04 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Tgt Ion:138 Resp: 82064

Ion	Ratio	Lower	Upper
138	100		
92	2.0	41.3	61.9#
108	4.2	65.0	97.6#



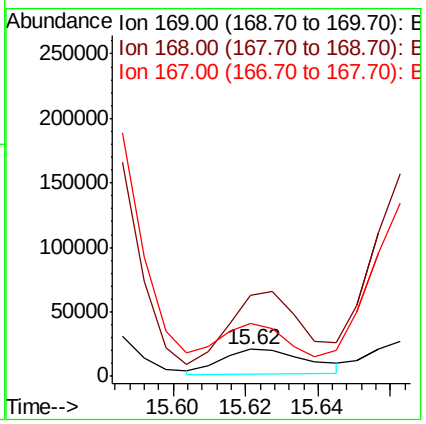


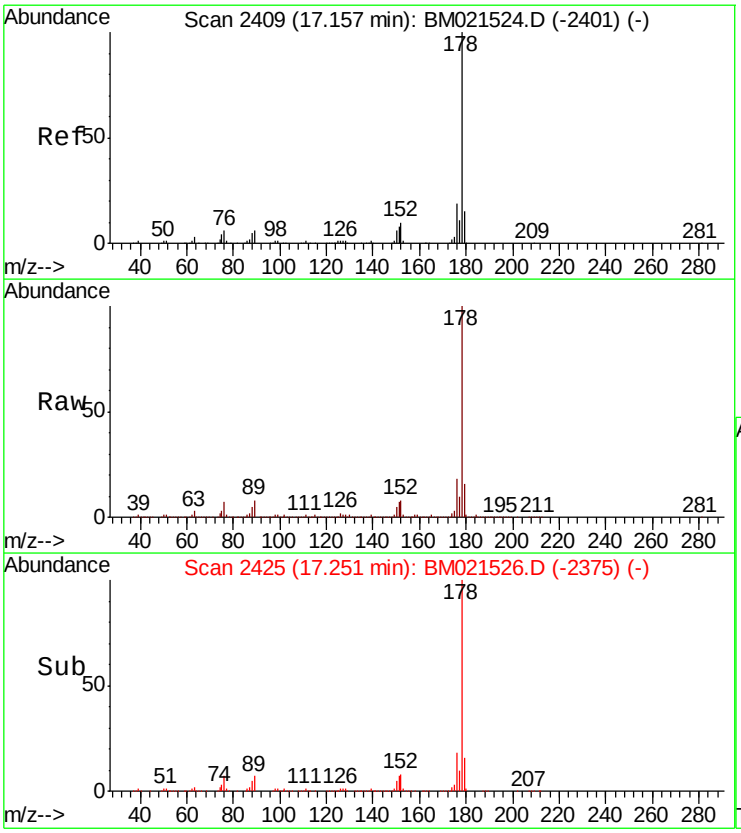
#64
N-Nitrosodiphenylamine
Concen: 1.233 ng/ul
RT: 15.62 min Scan# 2148
Delta R.T. -0.01 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Instrument :
BNA_M
ClientSampleId :
HD-02-072219

Tgt Ion:169 Resp: 31452

Ion	Ratio	Lower	Upper
169	100		
168	299.4	53.8	80.6#
167	196.9	28.9	43.3#

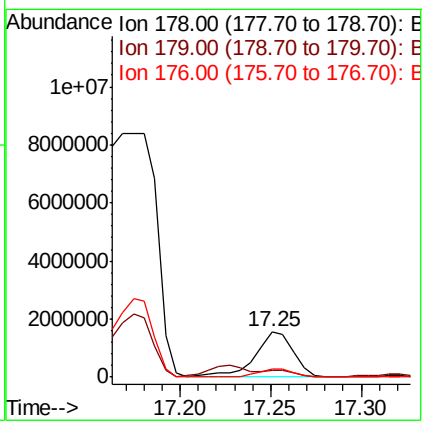


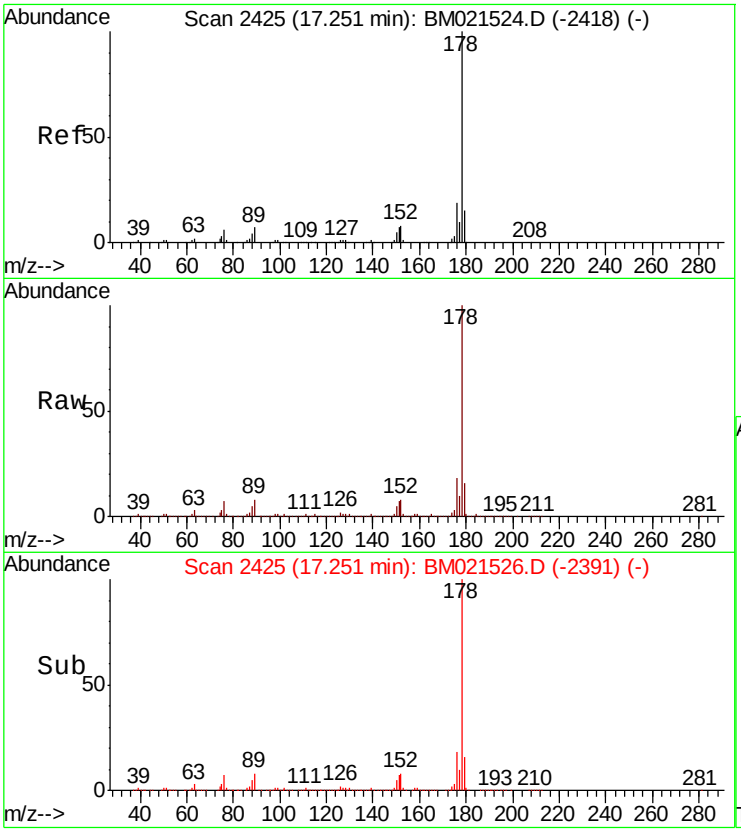


#69
Phenanthrene
Concen: 47.281 ng/ul
RT: 17.25 min Scan# 2425
Delta R.T. 0.09 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Tgt Ion:178 Resp: 2285820

Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.2	18.2
176	18.4	15.4	23.0



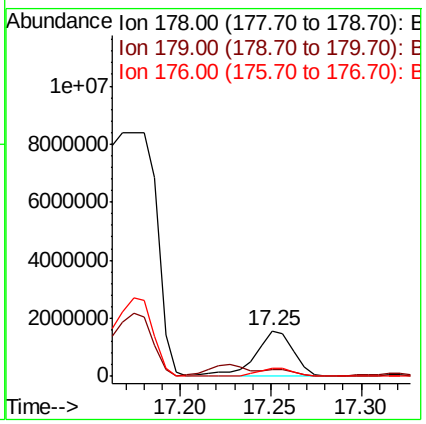


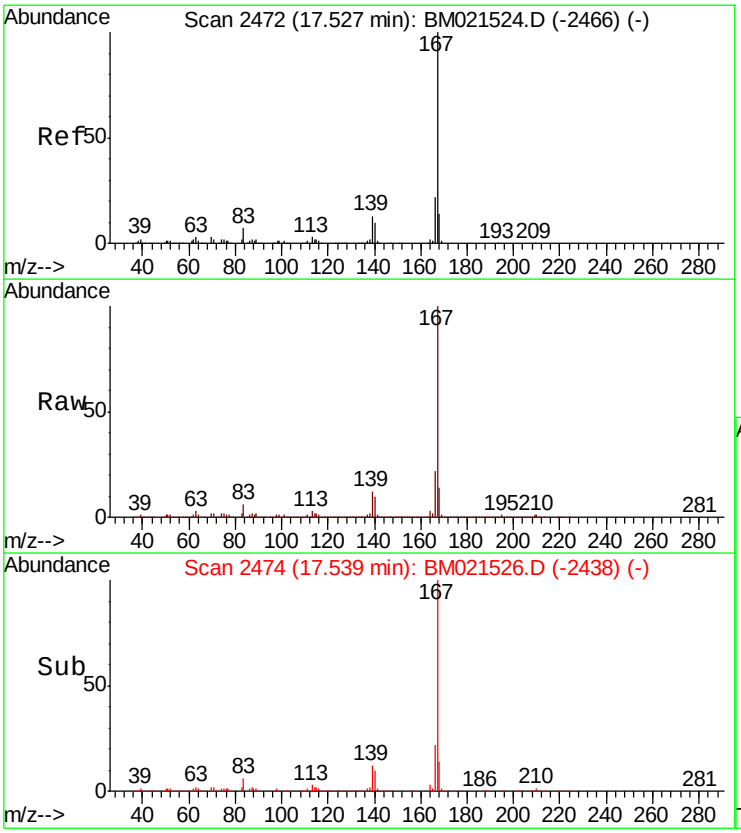
#71
Anthracene
Concen: 46.514 ng/ul
RT: 17.25 min Scan# 2425
Delta R.T. -0.00 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Instrument :
BNA_M
ClientSampleId :
HD-02-072219

Tgt Ion:178 Resp: 2288767

Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.2	18.2
176	18.4	14.9	22.3

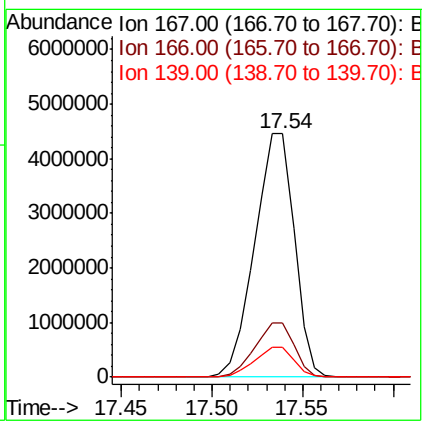


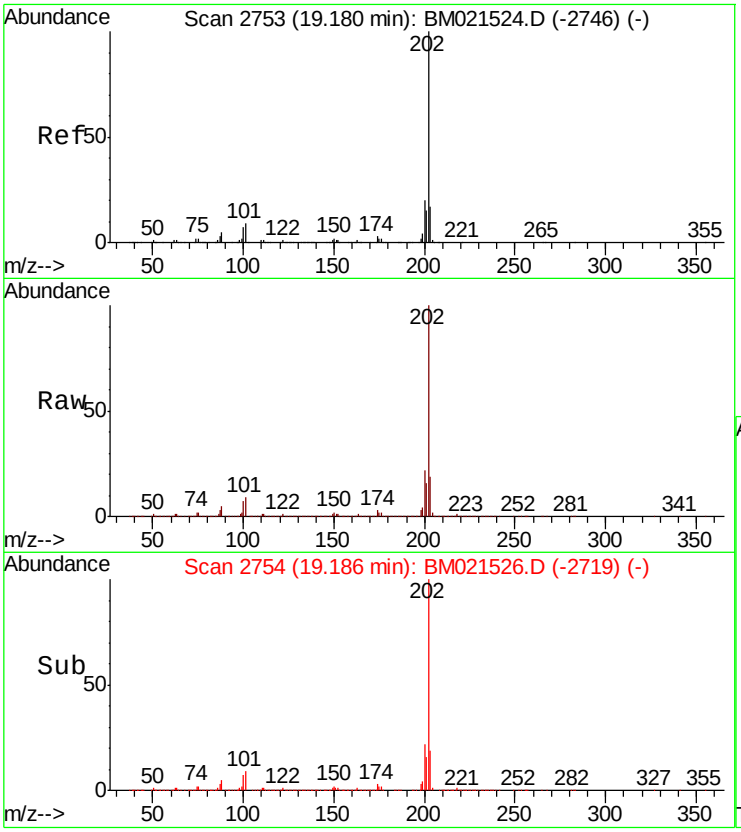


#74
Carbazole
Concen: 166.792 ng/ul
RT: 17.54 min Scan# 2474
Delta R.T. 0.01 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Tgt Ion:167 Resp: 6812085

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.1	25.7
139	12.2	9.7	14.5



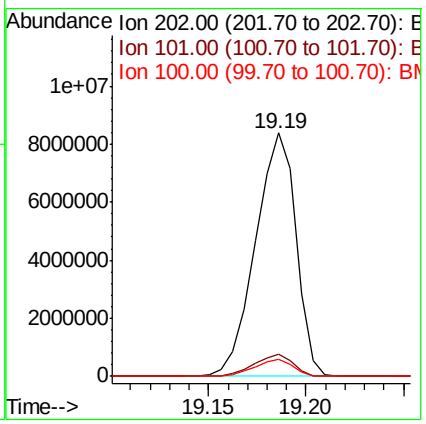


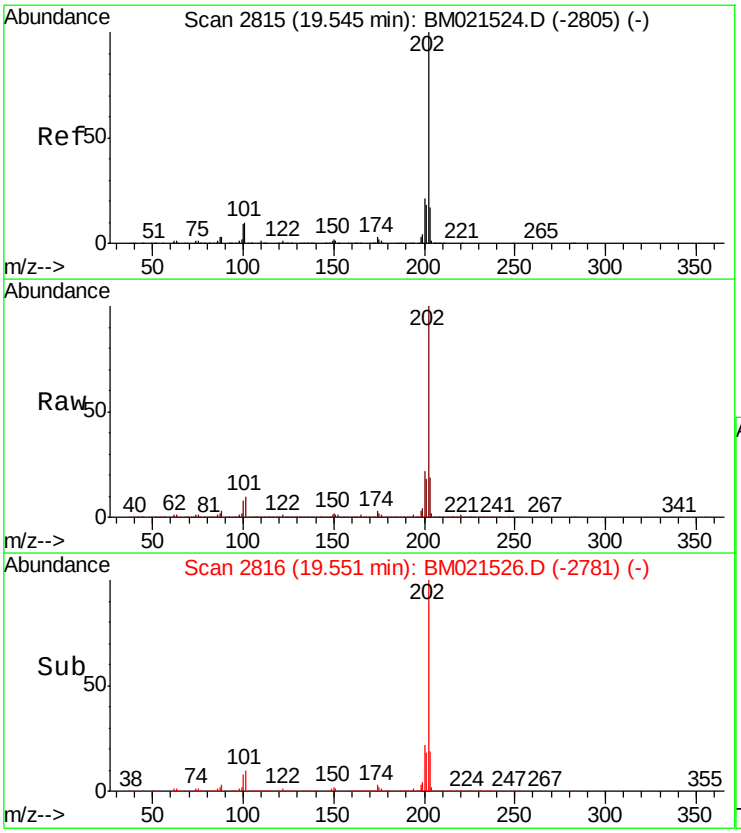
#76
Fluoranthene
Concen: 209.482 ng/ul
RT: 19.19 min Scan# 2754
Delta R.T. 0.01 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Instrument :
BNA_M
ClientSampleId :
HD-02-072219

Tgt Ion:202 Resp:12025524

Ion	Ratio	Lower	Upper
202	100		
101	9.0	6.7	10.1
100	7.1	5.3	7.9

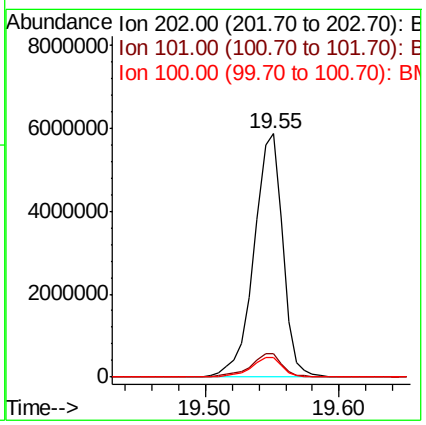


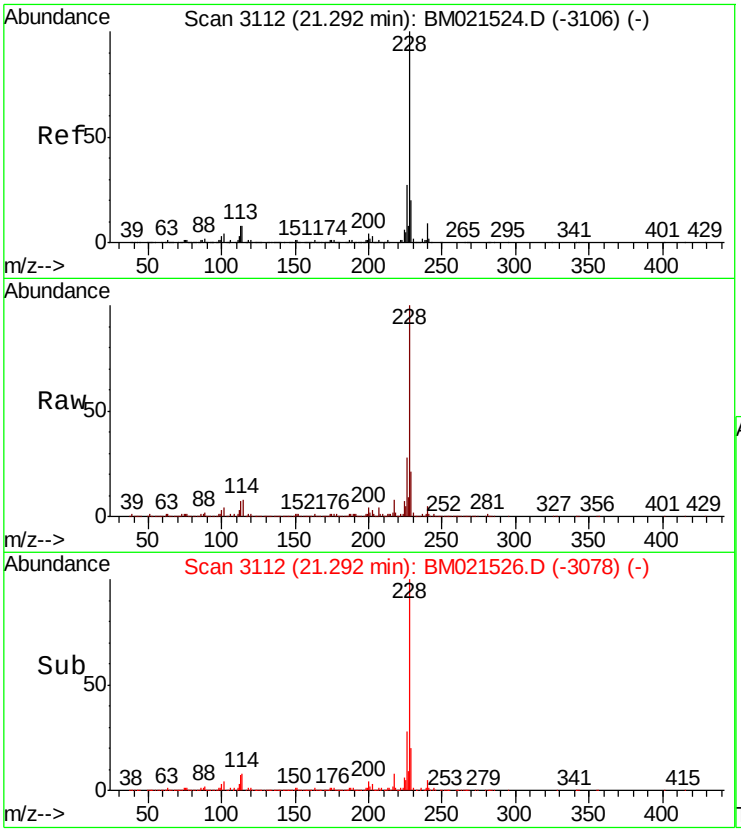


#79
Pyrene
Concen: 150.722 ng/ul
RT: 19.55 min Scan# 2816
Delta R.T. 0.01 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Tgt Ion:202 Resp: 8705709

Ion	Ratio	Lower	Upper
202	100		
101	9.7	7.8	11.8
100	7.9	6.4	9.6



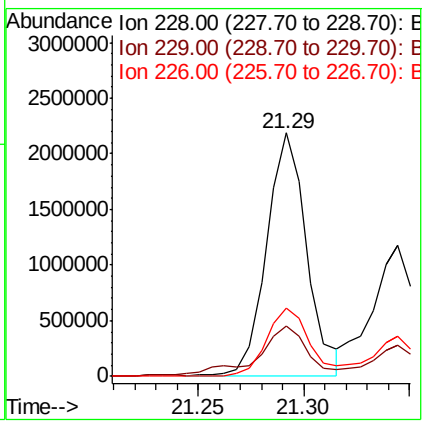


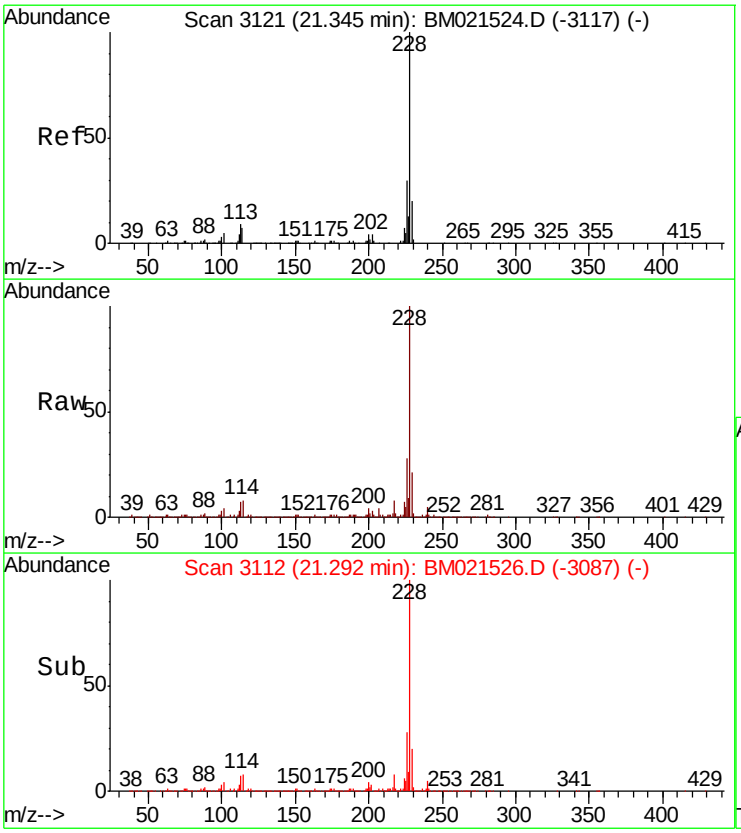
#82
Benzo(a)anthracene
Concen: 47.997 ng/ul
RT: 21.29 min Scan# 3112
Delta R.T. -0.00 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Instrument :
BNA_M
ClientSampleId :
HD-02-072219

Tgt Ion:228 Resp: 2868671

Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.8	23.6
226	28.1	21.5	32.3

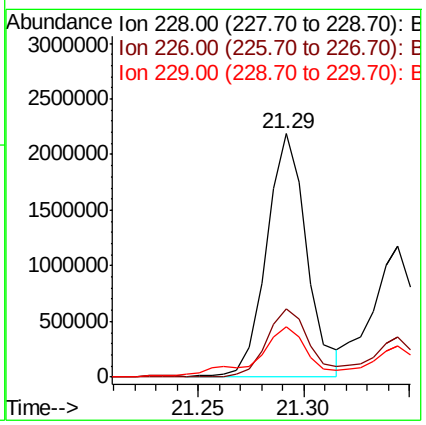


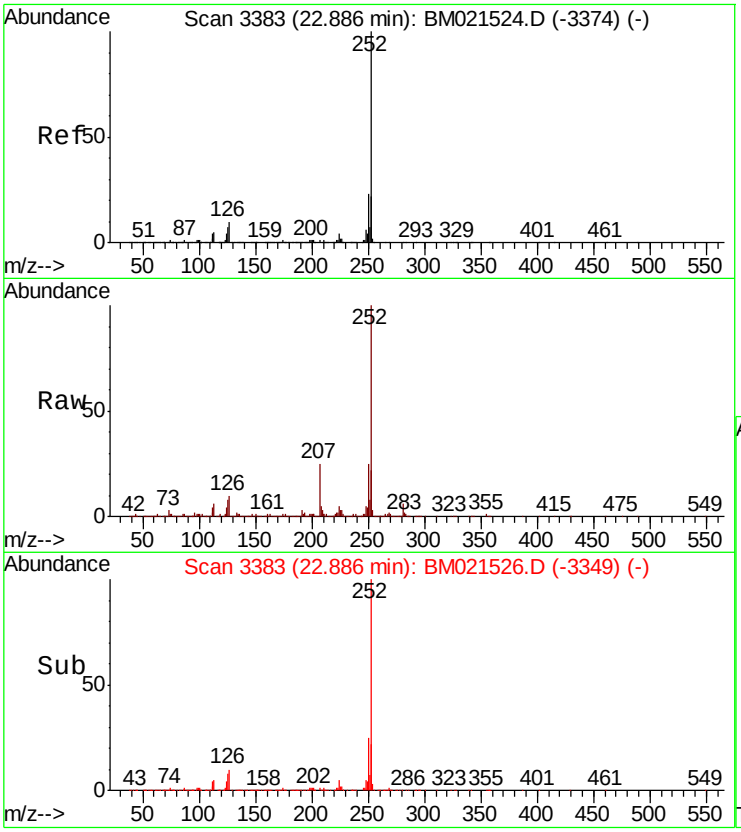


#84
Chrysene
Concen: 51.420 ng/ul
RT: 21.29 min Scan# 3112
Delta R.T. -0.05 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Tgt Ion:228 Resp: 2889122

Ion	Ratio	Lower	Upper
228	100		
226	28.1	23.8	35.6
229	20.7	15.4	23.0



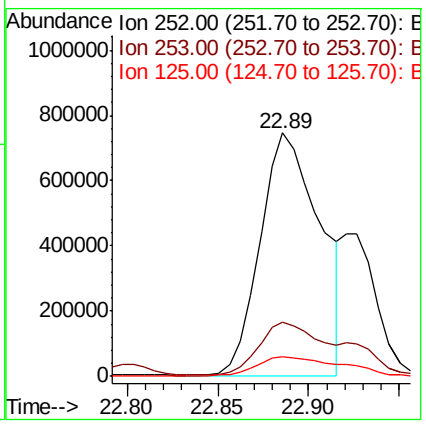


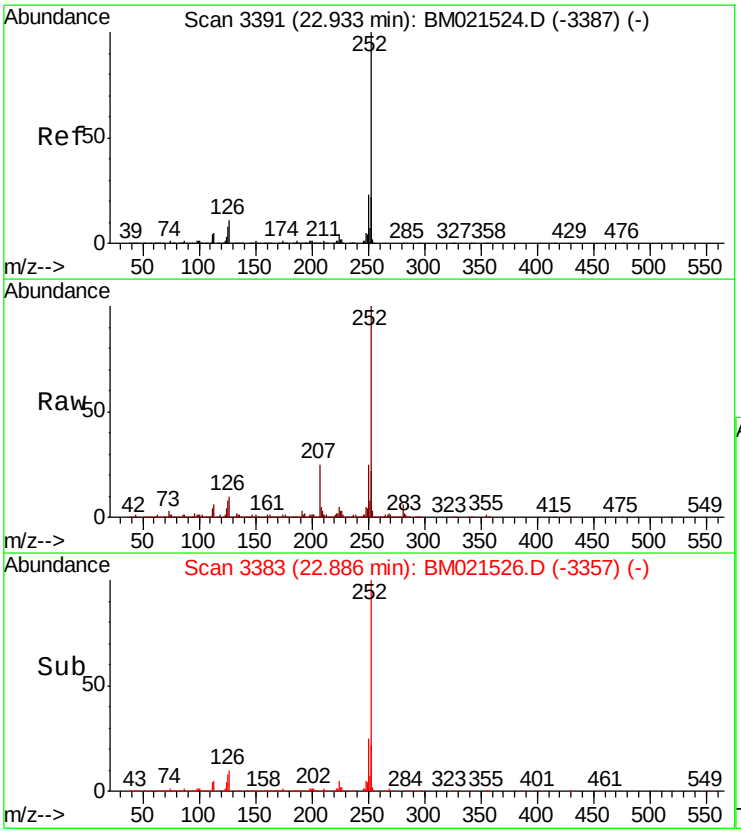
#87
Benzo(b)fluoranthene
Concen: 26.847 ng/ul
RT: 22.89 min Scan# 3383
Delta R.T. 0.00 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Instrument :
BNA_M
ClientSampleId :
HD-02-072219

Tgt Ion:252 Resp: 1713416

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	7.9	5.9	8.9

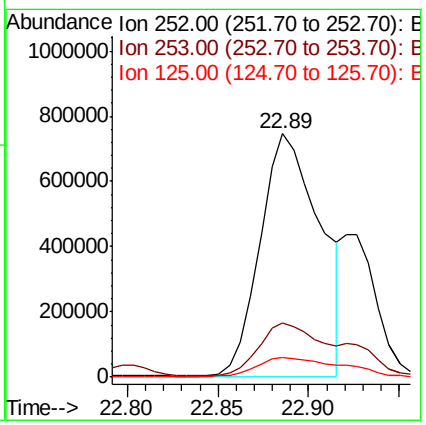


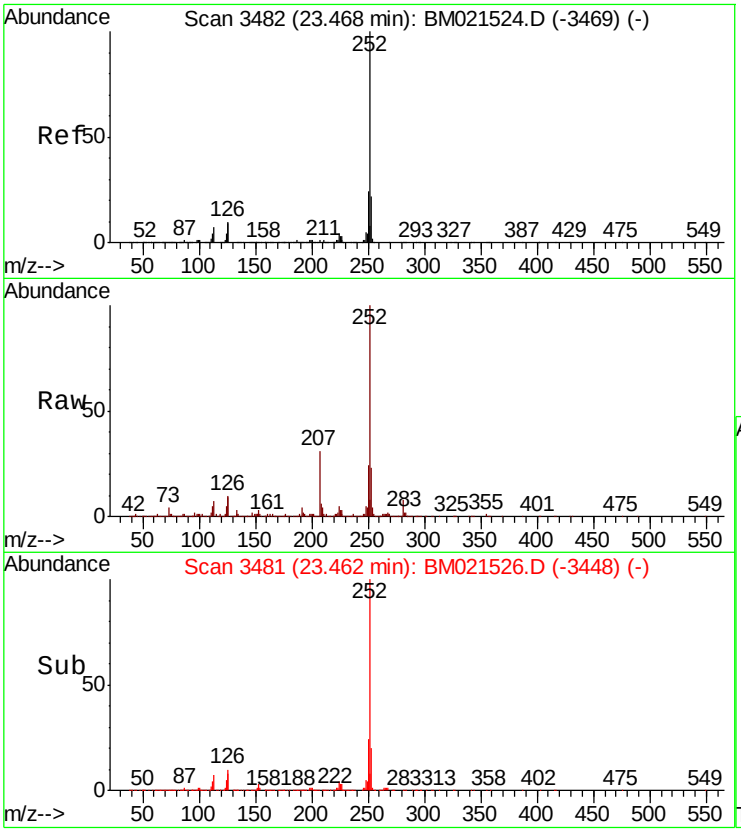


#88
Benzo(k)fluoranthene
Concen: 26.954 ng/ul
RT: 22.89 min Scan# 3383
Delta R.T. -0.05 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Tgt Ion:252 Resp: 1713416

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	7.9	5.8	8.8



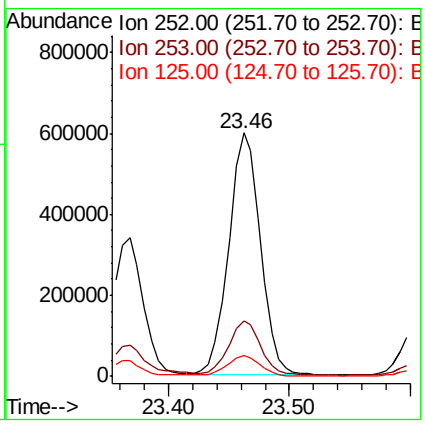


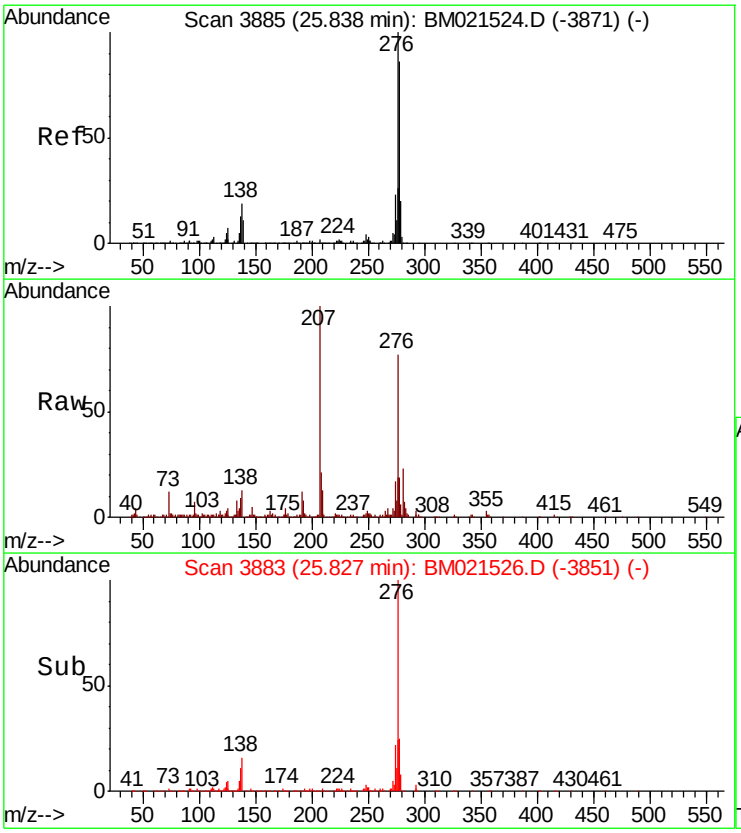
#90
Benzo(a)pyrene
Concen: 17.688 ng/ul
RT: 23.46 min Scan# 3481
Delta R.T. -0.01 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Instrument :
BNA_M
ClientSampleId :
HD-02-072219

Tgt Ion:252 Resp: 1090371

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	8.7	6.9	10.3

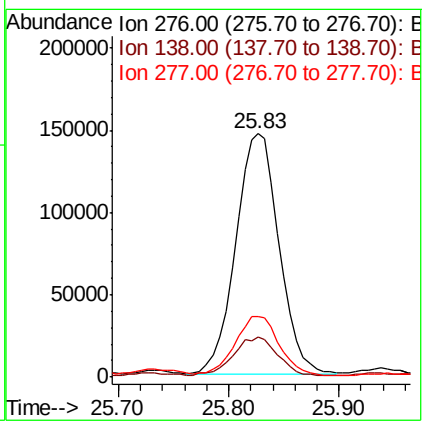


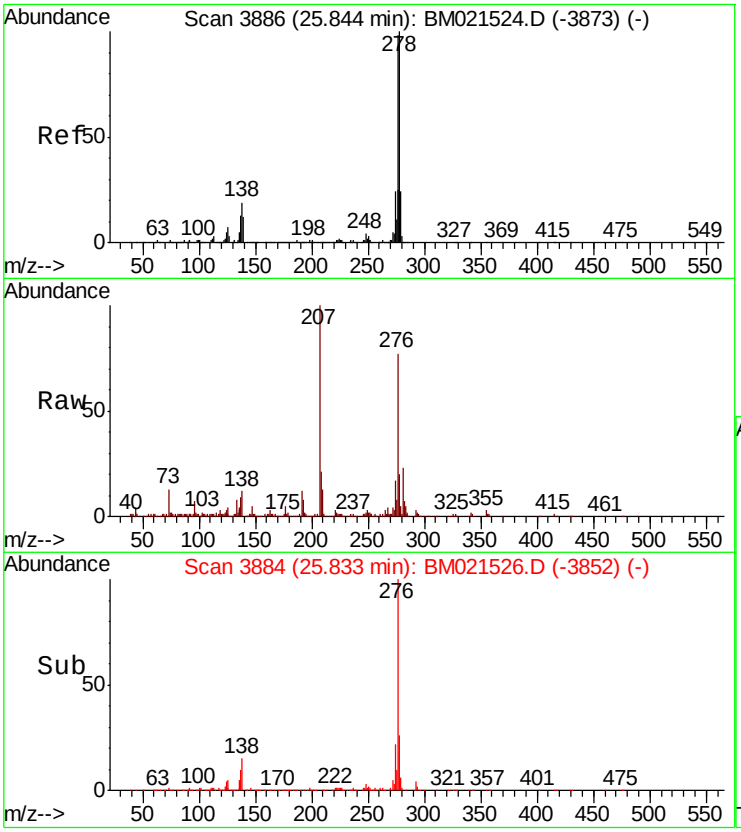


#91
Indeno(1,2,3-cd)pyrene
Concen: 5.291 ng/ul
RT: 25.83 min Scan# 3883
Delta R.T. -0.01 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Tgt Ion:276 Resp: 402879

Ion	Ratio	Lower	Upper
276	100		
138	16.5	14.8	22.2
277	24.8	20.0	30.0



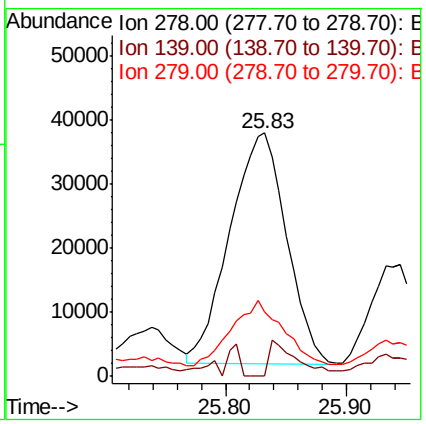


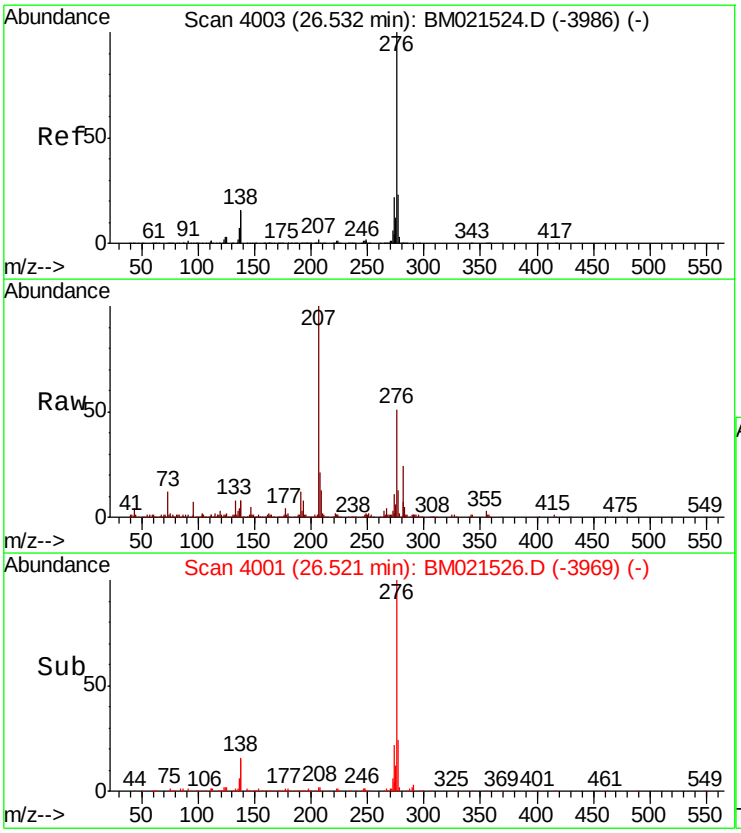
#92
Dibenzo(a,h)anthracene
Concen: 1.830 ng/ul
RT: 25.83 min Scan# 3884
Delta R.T. -0.01 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Instrument :
BNA_M
ClientSampleId :
HD-02-072219

Tgt Ion:278 Resp: 117156

Ion	Ratio	Lower	Upper
278	100		
139	0.0	9.8	14.6#
279	26.6	18.6	28.0





#93
Benzo(g,h,i)perylene
Concen: 5.114 ng/ul
RT: 26.52 min Scan# 4001
Delta R.T. -0.01 min
Lab File: BM021526.D
Acq: 18 Jul 2019 16:40

Tgt Ion:276 Resp: 321280

Ion	Ratio	Lower	Upper
276	100		
138	16.0	13.4	20.2
277	24.9	18.8	28.2