Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013426.D
Acq On : 15 Dec 2017 06:00
Operator : SJ/JU
Sample : I6778-13 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId :

Quant Time: Dec 15 10:02:29 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 15 04:56:09 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	255561	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	1093948	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.32	164	669702	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.10	188	1279287	20.00	ng/ul	0.02
75) Chrysene-d12	21.27	240	1017489	20.00	ng/ul	0.01
83) Perylene-d12	23.49	264	879132	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.23	96	1715	0.33	ng/uL	0.00
5) Phenol-d5	6.86	99	25139	1.14	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	17485	1.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	20934	1.21	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	21716	1.15	ng/ul	0.00
19) Nitrobenzene-d5	8.84	128	23452	2.70	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	14317	1.54	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	22504	1.18	ng/ul	0.02
29) 4-Chloroaniline-d4	10.61	131	51093	2.91	ng/ul	0.01
43) Dimethylphthalate-d6	13.75	166	93153	1.56	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	87735	1.19	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	6274	0.61	ng/ul	0.00
57) Fluorene-d10	15.32	176	81016	1.58	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.49	200	3707	0.46	ng/ul	0.04
70) Anthracene-d10	17.20	188	95223	1.49	ng/ul	0.04
76) Pyrene-d10	19.48	212	100872	1.99	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.35	264	63385	1.42	ng/ul	0.00
Target Compounds						Qvalue
4) Benzaldehyde	6.83	77	19914	1.820	ng/ul#	1
8) Bis(2-Chloroethyl)ether	7.12	93	33958	2.032	ng/ul#	35
17) Hexachloroethane	8.77	117	80337	10.891	ng/ul#	1
24) 2,4-Dimethylphenol	9.65	107	39633	1.888	ng/ul	93
30) 4-Chloroaniline	10.57	127	19702807	1157.302	ng/ul#	17
40) 1,1'-Biphenyl	13.16	154	7211120	127.406	ng/ul	99
47) Acenaphthylene	14.05	152	3092075	45.434	ng/ul#	95
49) Acenaphthene	14.32	153	442411	9.543	ng/ul#	1
53) Dibenzofuran	14.64	168	559595	8.176	ng/ul#	56
54) 2,4-Dinitrotoluene	14.69	165	75121	4.442	ng/ul#	44
58) Fluorene	15.32	166	392340	6.929	ng/ul#	46
60) 4-Nitroaniline	15.41	138	380619	31.046	ng/ul#	13
64) N-Nitrosodiphenylamine	15.59	169	285625	7.579	ng/ul#	1
68) Pentachlorophenol	16.76	266	36375	3.792	ng/ul	93
69) Phenanthrene	17.23	178	14090339	193.872	ng/ul#	91
71) Anthracene	17.23	178	14090339	189.668	ng/ul#	89
72) Carbazole	17.49	167	7904651	123.705	ng/ul	99
77) Pyrene	19.58	202	125948	2.037	ng/ul#	51
80) Benzo(a)anthracene	21.26	228	9796578	151.750	ng/ul	95
82) Chrysene	21.31	228	7610171	127.063	ng/ul	97
85) Benzo(b)fluoranthene	22.83	252	5536136	93.415	ng/ul#	98
86) Benzo(k)fluoranthene	22.83	252	5536136	99.266	ng/ul#	96
88) Benzo(a)pyrene	23.40	252	3809512	71.558	ng/ul#	96

Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013426.D
Acq On : 15 Dec 2017 06:00
Operator : SJ/JU
Sample : I6778-13 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Dec 15 10:02:29 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 15 04:56:09 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	25.72	276	1728440	32.722	ng/ul#	96
90) Dibenzo(a,h)anthracene	25.72	278	472924	10.515	ng/ul#	86
91) Benzo(g,h,i)perylene	26.41	276	1476756	35.443	ng/ul#	95

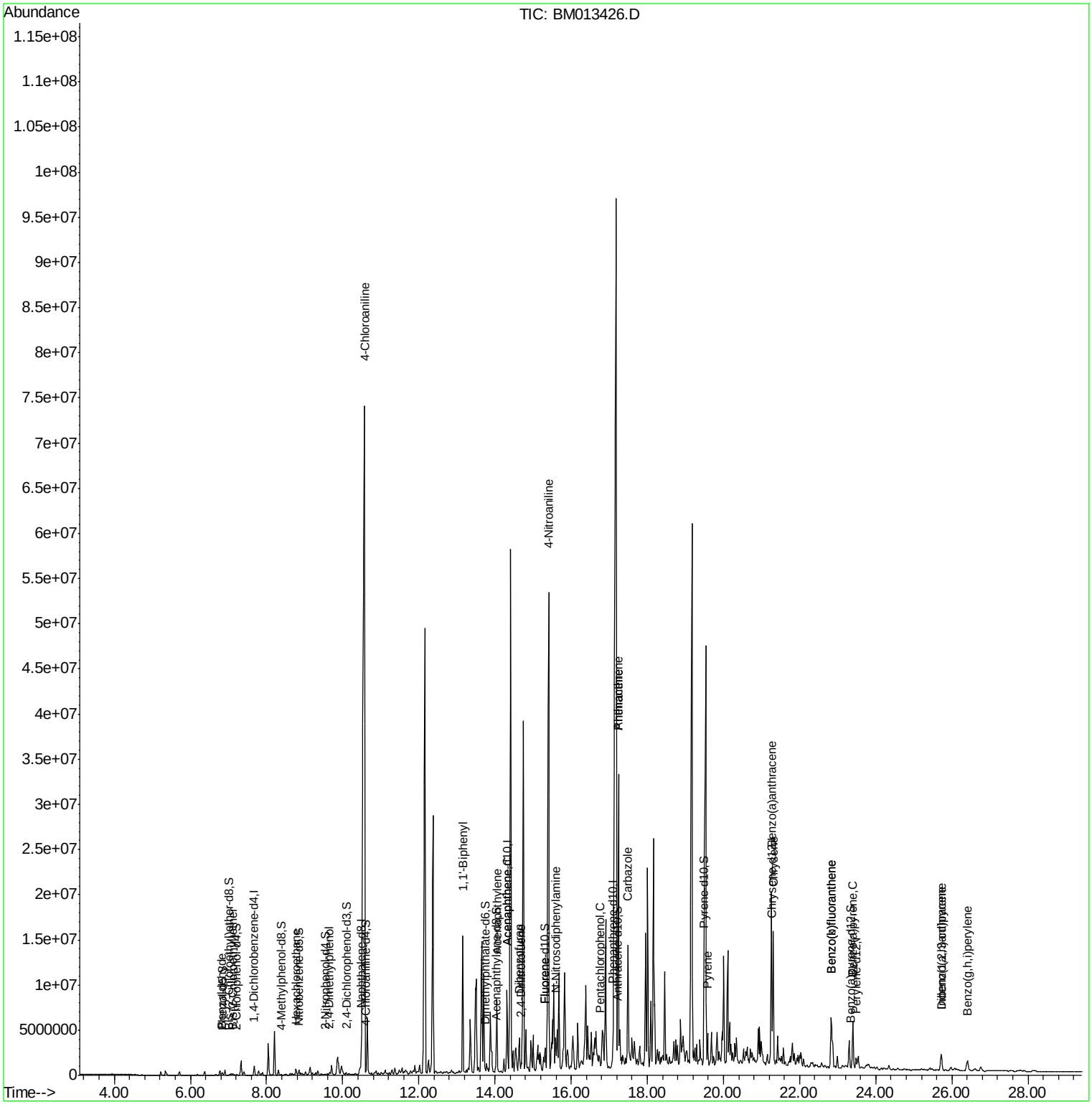
(#) = qualifier out of range (m) = manual integration (+) = signals summed

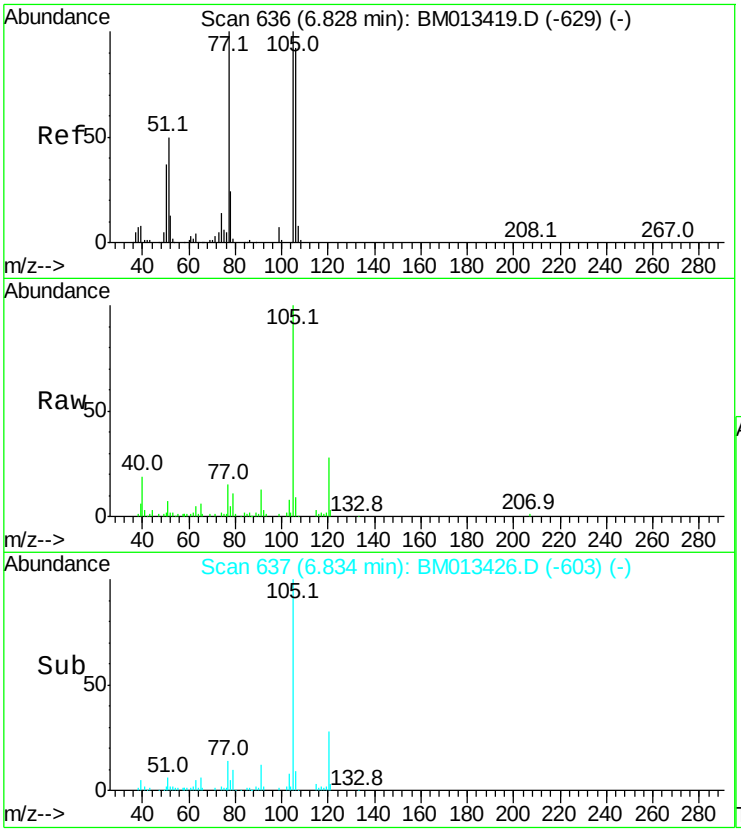
Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013426.D
Acq On : 15 Dec 2017 06:00
Operator : SJ/JU
Sample : I6778-13 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Dec 15 10:02:29 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 15 04:56:09 2017
Response via : Initial Calibration



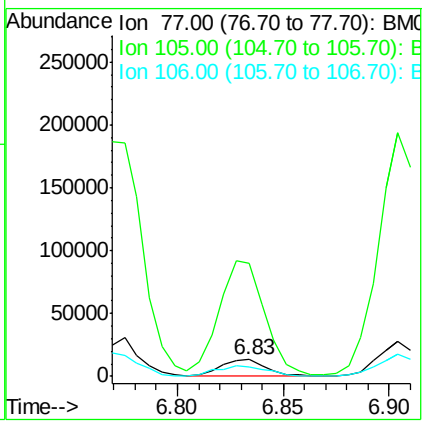


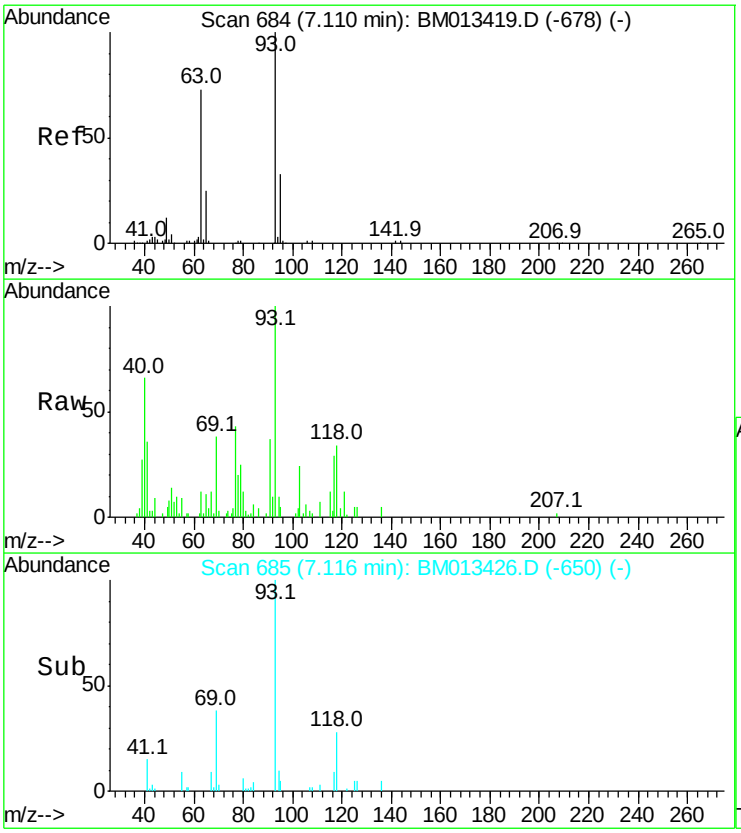
#4
Benzaldehyde
Concen: 1.820 ng/ul
RT: 6.83 min Scan# 637
Delta R.T. 0.00 min
Lab File: BM013426.D
Acq: 15 Dec 2017 06:00

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 77 Resp: 19914

Ion	Ratio	Lower	Upper
77	100		
105	679.5	66.1	99.1#
106	59.0	67.8	101.6#

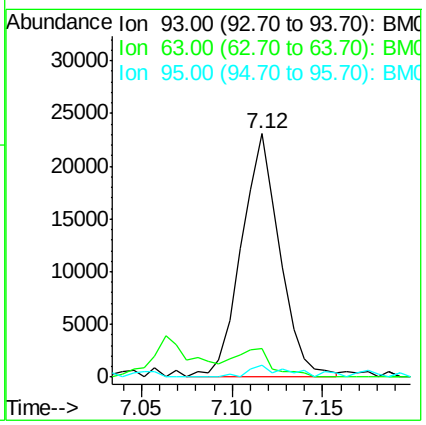


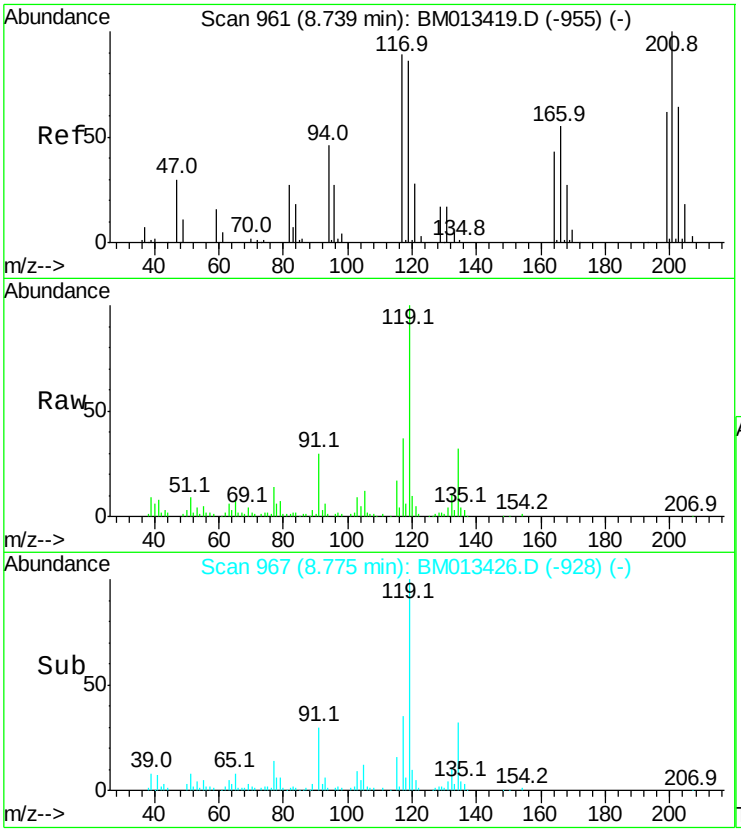


#8
Bis(2-Chloroethyl)ether
Concen: 2.032 ng/ul
RT: 7.12 min Scan# 685
Delta R.T. 0.01 min
Lab File: BM013426.D
Acq: 15 Dec 2017 06:00

Tgt Ion: 93 Resp: 33958

Ion	Ratio	Lower	Upper
93	100		
63	11.8	57.3	85.9#
95	4.9	26.6	39.8#



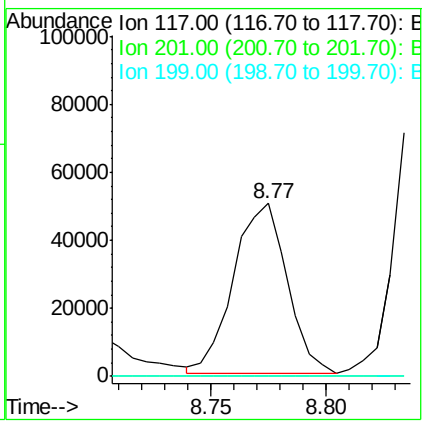


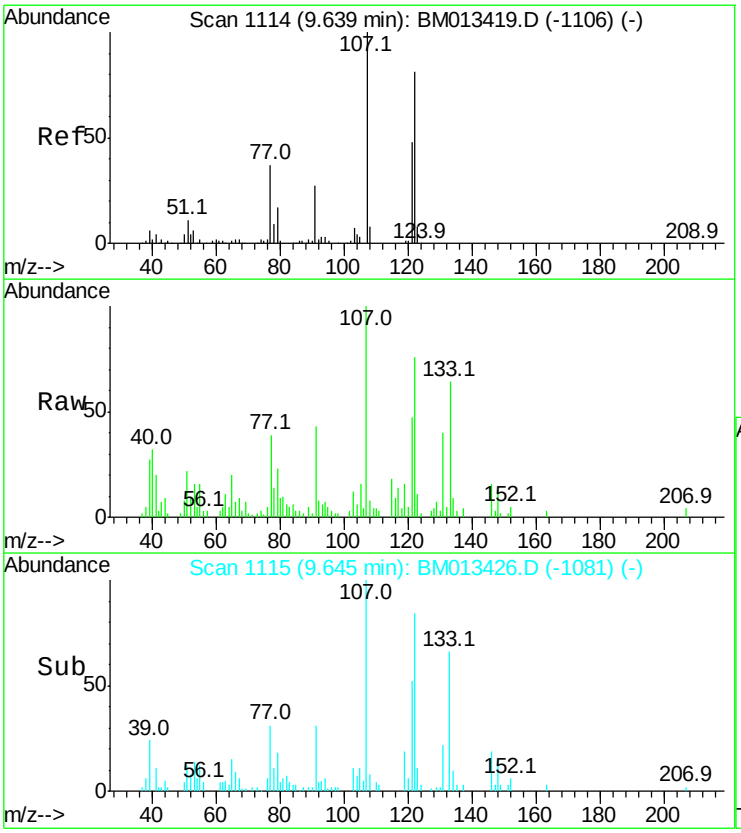
#17
Hexachloroethane
Concen: 10.891 ng/ul
RT: 8.77 min Scan# 967
Delta R.T. 0.03 min
Lab File: BM013426.D
Acq: 15 Dec 2017 06:00

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:117 Resp: 80337

Ion	Ratio	Lower	Upper
117	100		
201	0.0	111.6	167.4#
199	0.0	67.8	101.6#

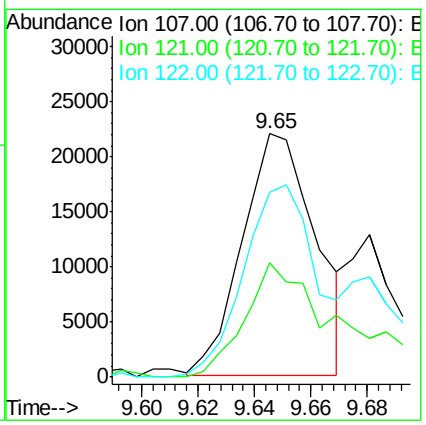


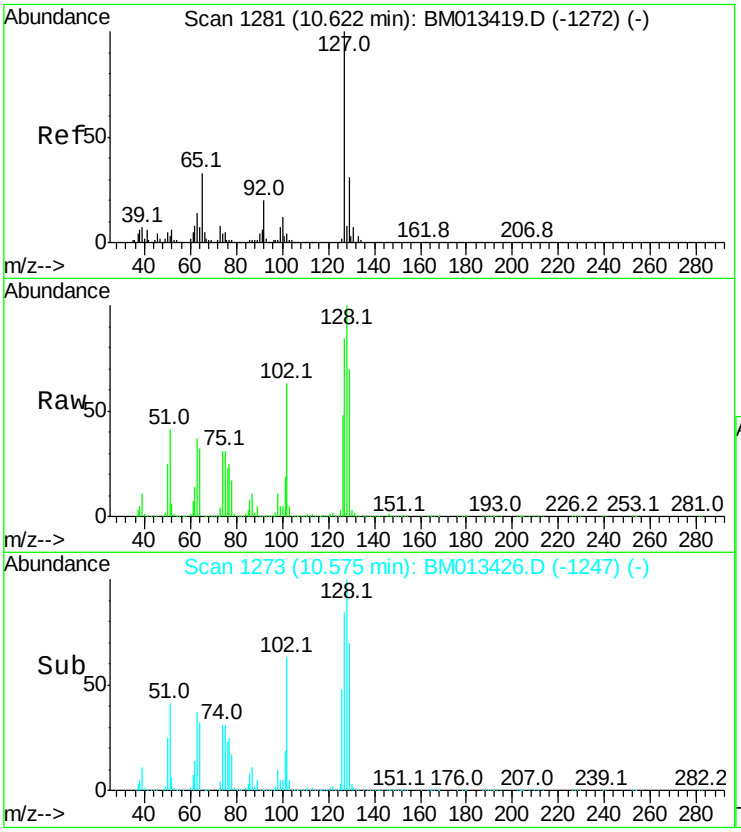


#24
2,4-Dimethylphenol
Concen: 1.888 ng/ul
RT: 9.65 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BM013426.D
Acq: 15 Dec 2017 06:00

Tgt Ion:107 Resp: 39633

Ion	Ratio	Lower	Upper
107	100		
121	47.2	31.9	47.9
122	76.0	57.8	86.6



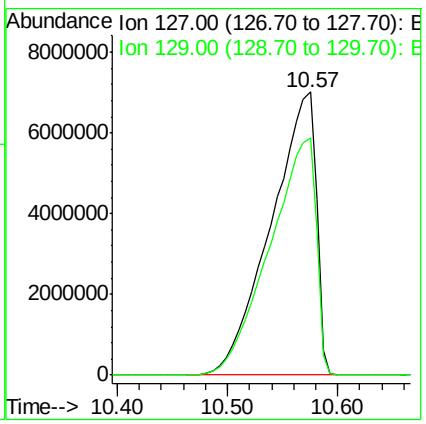


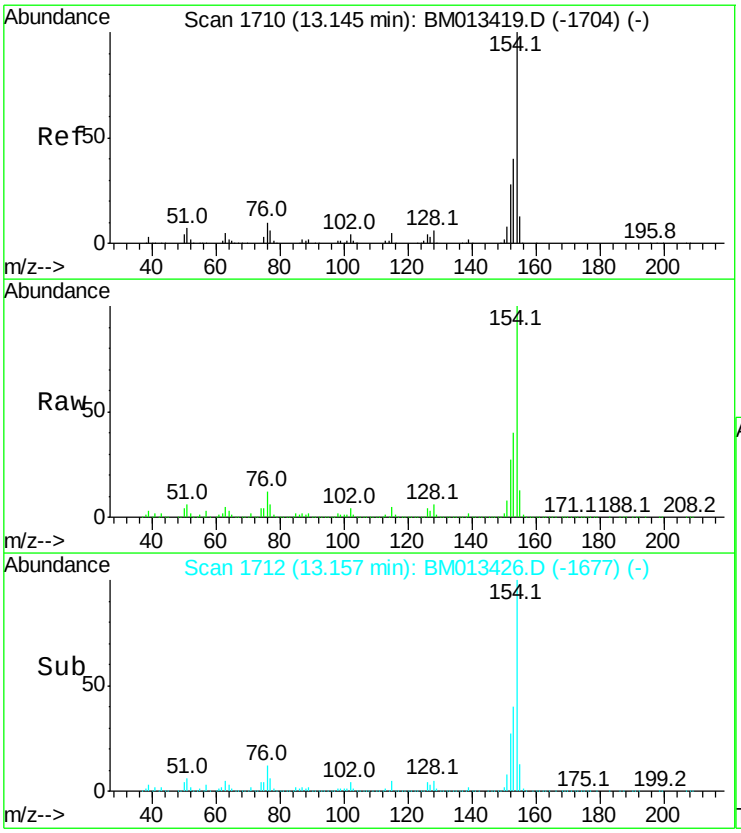
#30
4-Chloroaniline
Concen: 1157.302 ng/ul
RT: 10.57 min Scan# 1273
Delta R.T. -0.05 min
Lab File: BM013426.D
Acq: 15 Dec 2017 06:00

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:127 Resp:19702807

Ion	Ratio	Lower	Upper
127	100		
129	83.8	28.4	42.6#

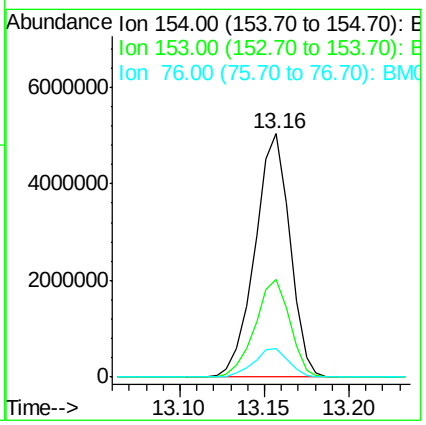


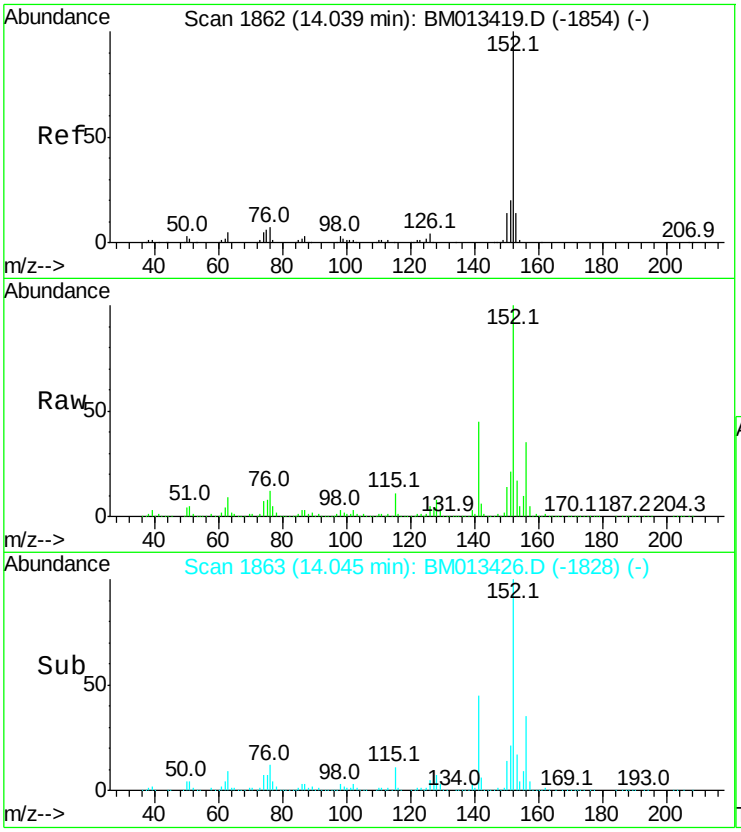


#40
1,1'-Biphenyl
Concen: 127.406 ng/ul
RT: 13.16 min Scan# 1712
Delta R.T. 0.01 min
Lab File: BM013426.D
Acq: 15 Dec 2017 06:00

Tgt Ion:154 Resp: 7211120

Ion	Ratio	Lower	Upper
154	100		
153	40.1	32.6	48.8
76	11.6	8.5	12.7



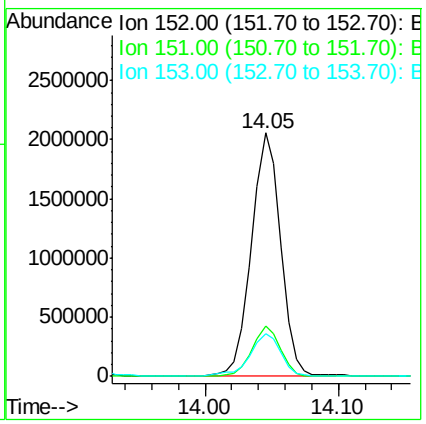


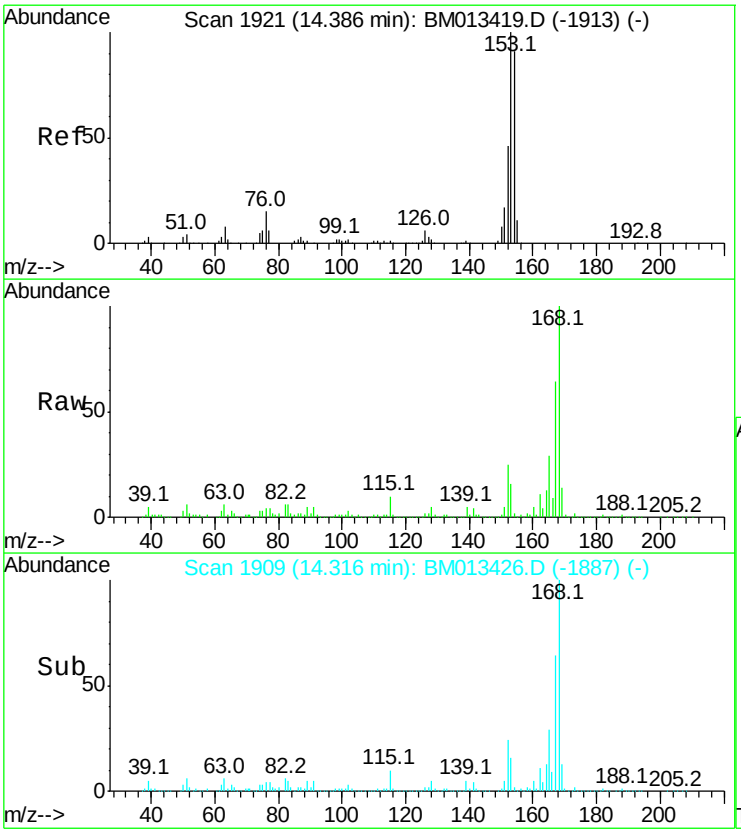
#47
Acenaphthylene
Concen: 45.434 ng/ul
RT: 14.05 min Scan# 1863
Delta R.T. 0.01 min
Lab File: BM013426.D
Acq: 15 Dec 2017 06:00

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:152 Resp: 3092075

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.3	24.5
153	17.3	10.2	15.4#

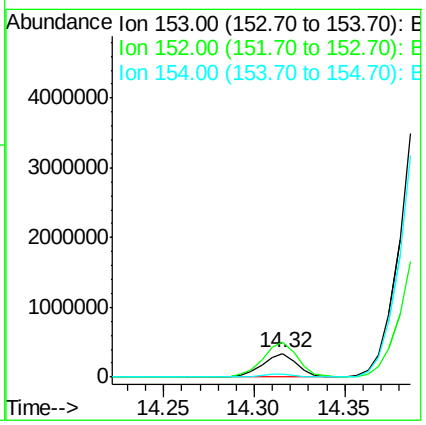


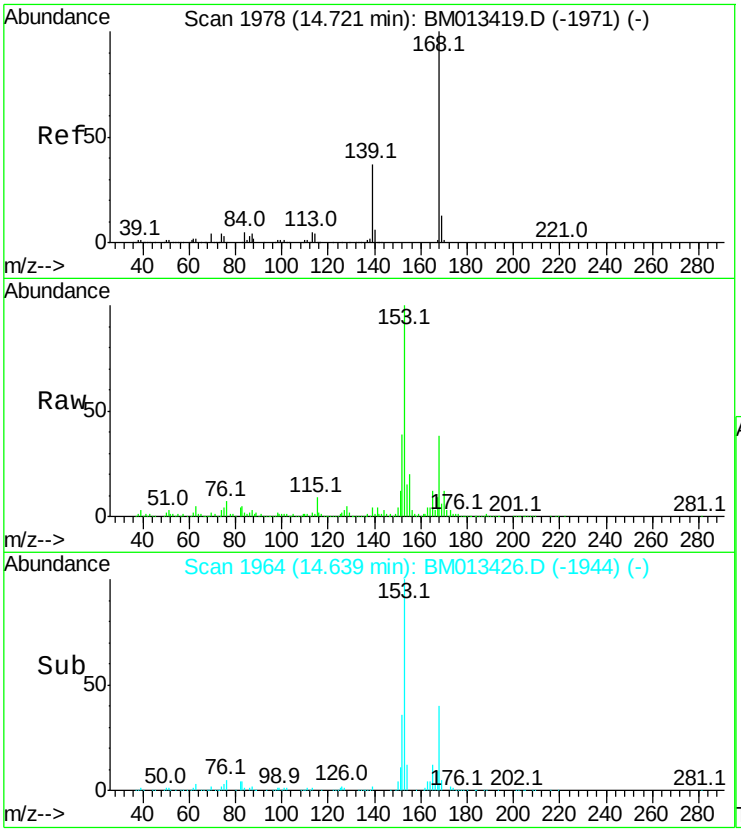


#49
Acenaphthene
Concen: 9.543 ng/ul
RT: 14.32 min Scan# 1909
Delta R.T. -0.07 min
Lab File: BM013426.D
Acq: 15 Dec 2017 06:00

Tgt Ion:153 Resp: 442411

Ion	Ratio	Lower	Upper
153	100		
152	149.2	37.6	56.4#
154	12.1	70.4	105.6#



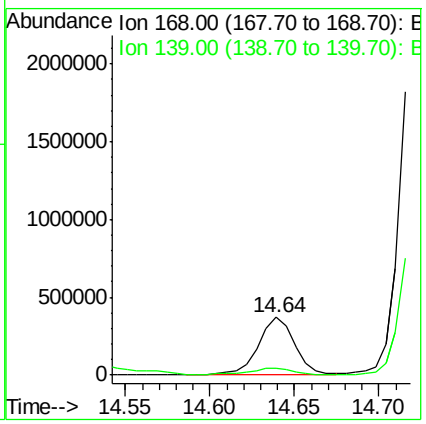


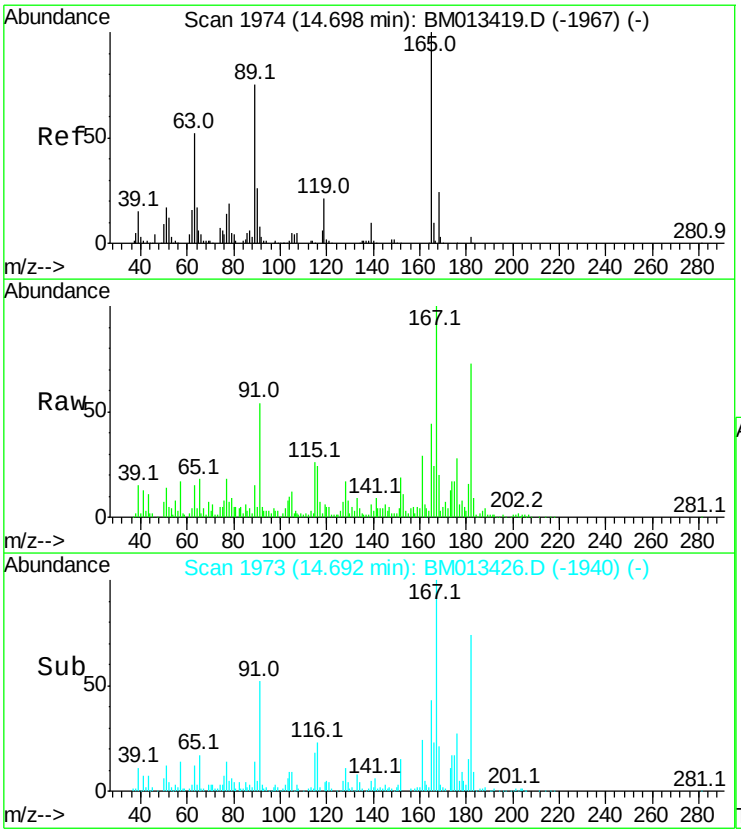
#53
Dibenzofuran
Concen: 8.176 ng/ul
RT: 14.64 min Scan# 1964
Delta R.T. -0.08 min
Lab File: BM013426.D
Acq: 15 Dec 2017 06:00

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:168 Resp: 559595

Ion	Ratio	Lower	Upper
168	100		
139	11.7	30.8	46.2#

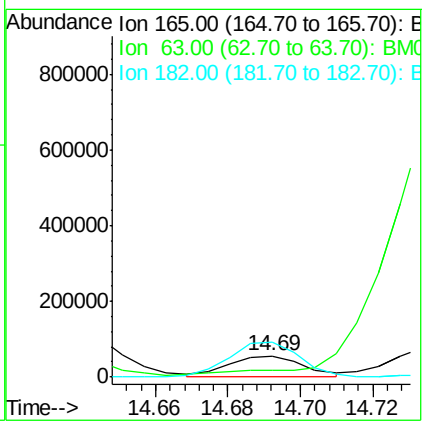


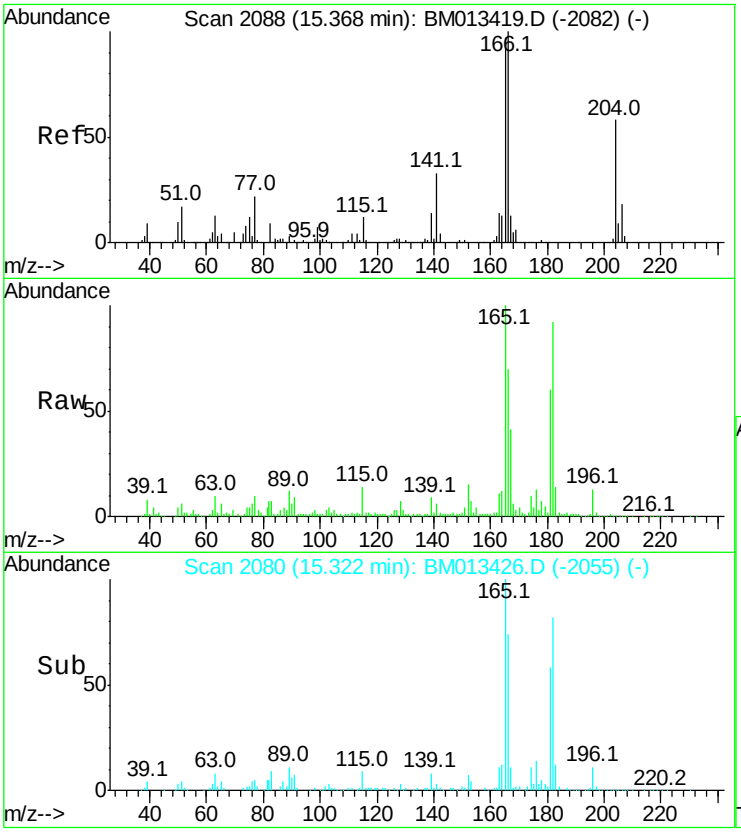


#54
2,4-Dinitrotoluene
Concen: 4.442 ng/ul
RT: 14.69 min Scan# 1973
Delta R.T. -0.01 min
Lab File: BM013426.D
Acq: 15 Dec 2017 06:00

Tgt Ion:165 Resp: 75121

Ion	Ratio	Lower	Upper
165	100		
63	34.1	45.8	68.8#
182	164.3	2.6	4.0#



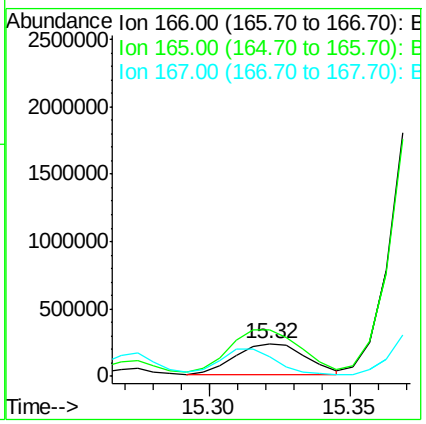


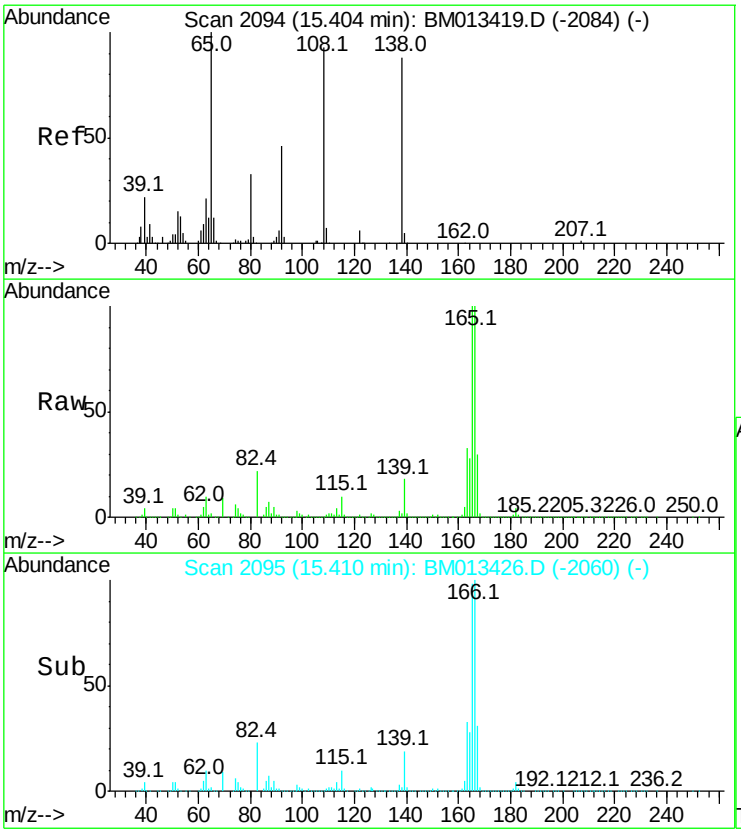
#58
Fluorene
Concen: 6.929 ng/ul
RT: 15.32 min Scan# 2080
Delta R.T. -0.05 min
Lab File: BM013426.D
Acq: 15 Dec 2017 06:00

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:166 Resp: 392340

Ion	Ratio	Lower	Upper
166	100		
165	142.4	77.9	116.9#
167	58.8	10.6	16.0#

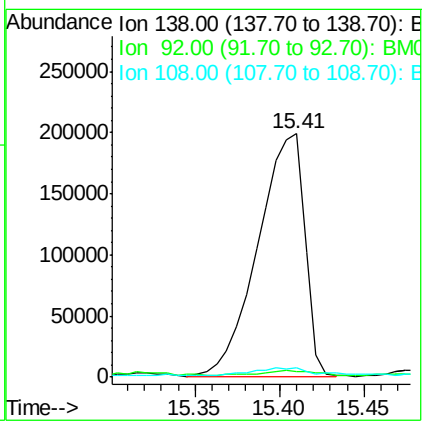


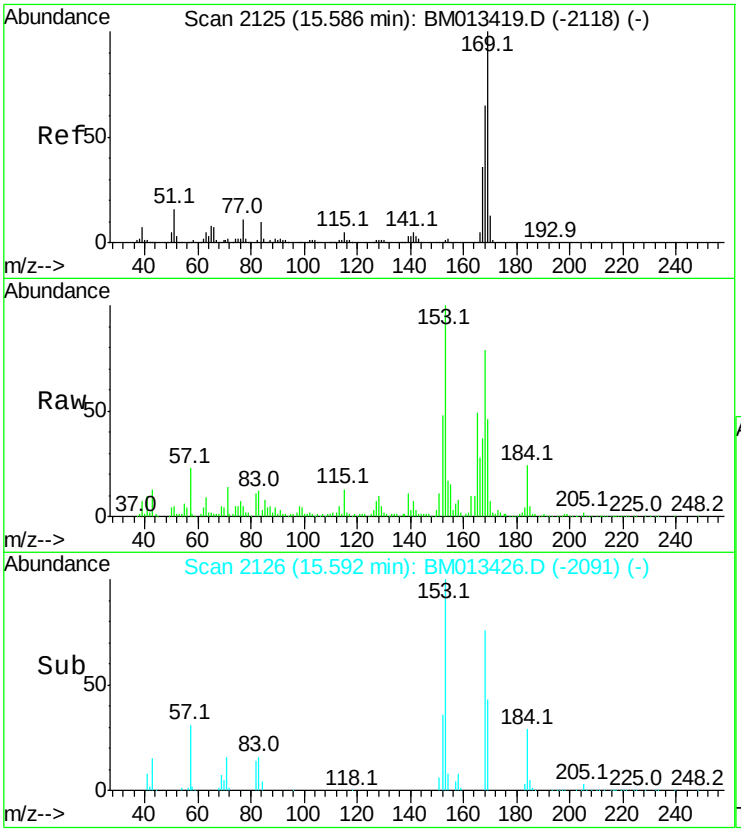


#60
4-Nitroaniline
Concen: 31.046 ng/ul
RT: 15.41 min Scan# 2095
Delta R.T. 0.01 min
Lab File: BM013426.D
Acq: 15 Dec 2017 06:00

Tgt Ion:138 Resp: 380619

Ion	Ratio	Lower	Upper
138	100		
92	2.4	40.0	60.0#
108	4.0	80.0	120.0#



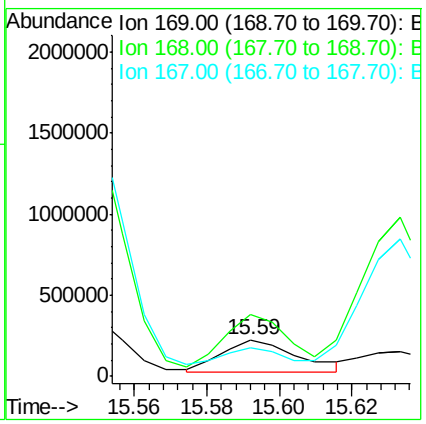


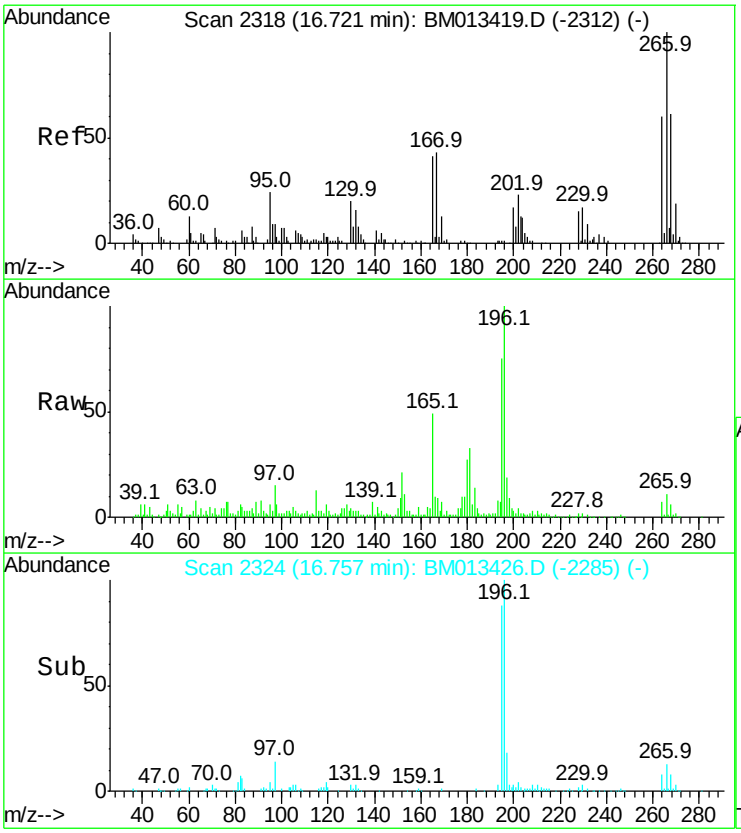
#64
N-Nitrosodiphenylamine
Concen: 7.579 ng/ul
RT: 15.59 min Scan# 2126
Delta R.T. 0.01 min
Lab File: BM013426.D
Acq: 15 Dec 2017 06:00

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:169 Resp: 285625

Ion	Ratio	Lower	Upper
169	100		
168	170.0	54.0	81.0#
167	79.0	29.1	43.7#

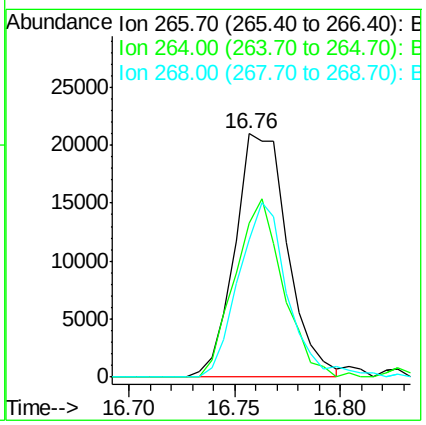


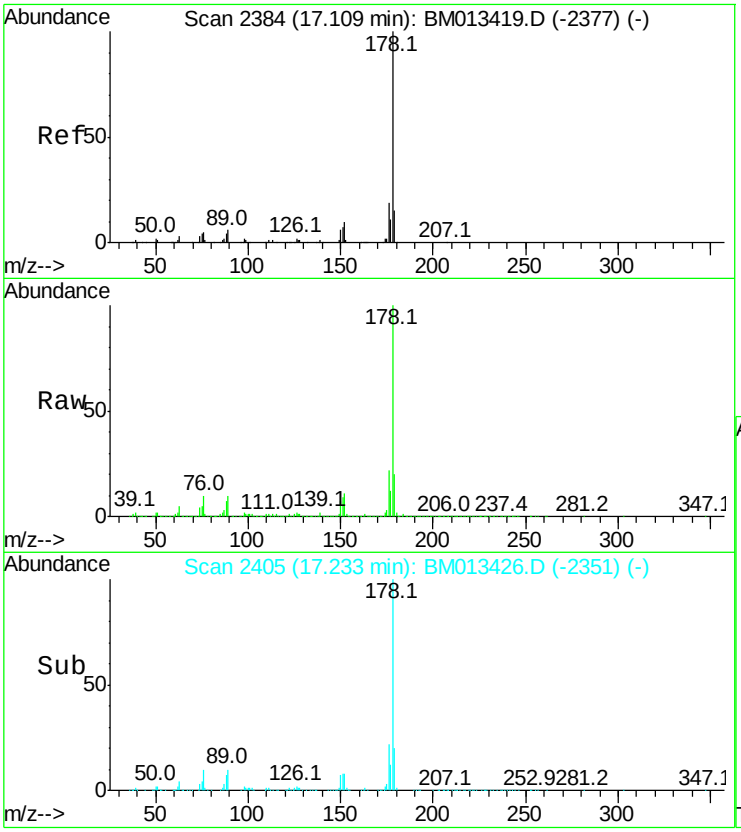


#68
Pentachlorophenol
Concen: 3.792 ng/ul
RT: 16.76 min Scan# 2324
Delta R.T. 0.03 min
Lab File: BM013426.D
Acq: 15 Dec 2017 06:00

Tgt Ion:266 Resp: 36375

Ion	Ratio	Lower	Upper
266	100		
264	63.4	49.3	73.9
268	56.6	52.6	78.8



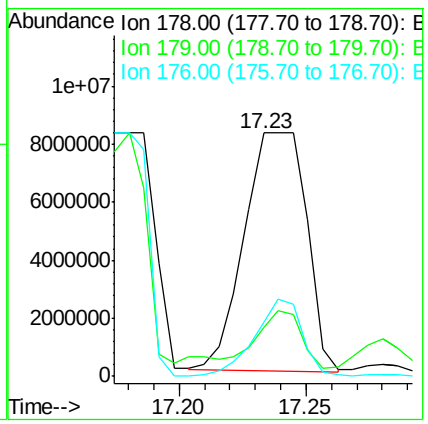


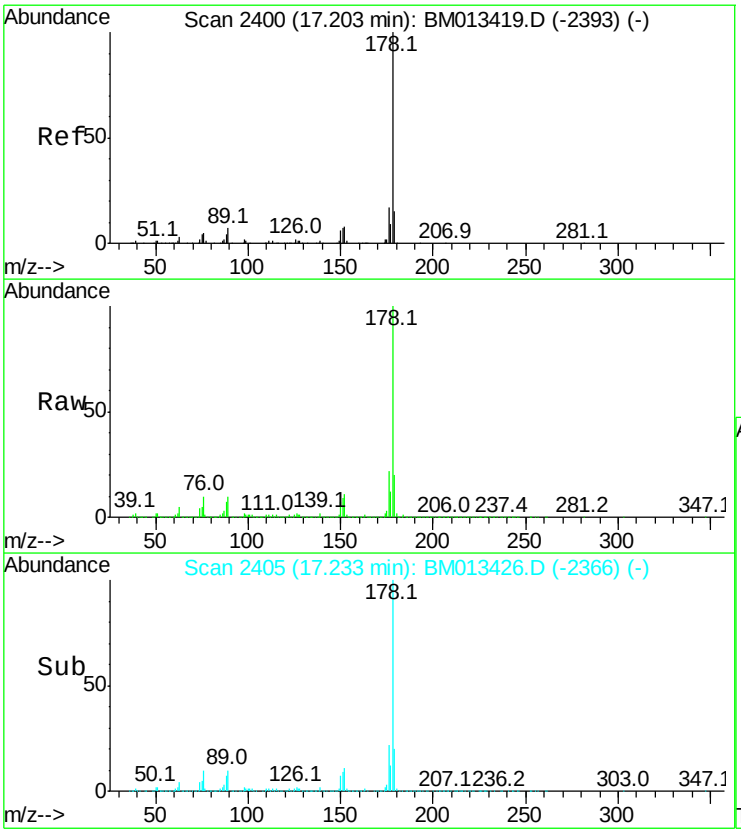
#69
Phenanthrene
Concen: 193.872 ng/ul
RT: 17.23 min Scan# 2405
Delta R.T. 0.12 min
Lab File: BM013426.D
Acq: 15 Dec 2017 06:00

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:178 Resp:14090339

Ion	Ratio	Lower	Upper
178	100		
179	20.0	12.6	19.0#
176	22.2	14.9	22.3

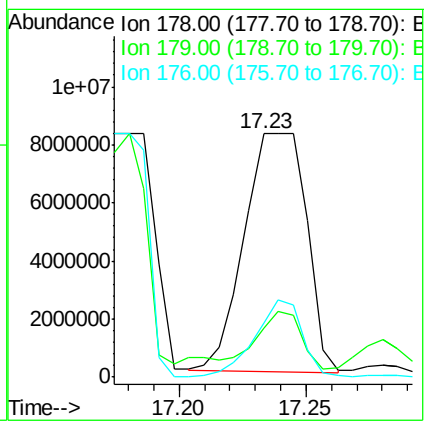


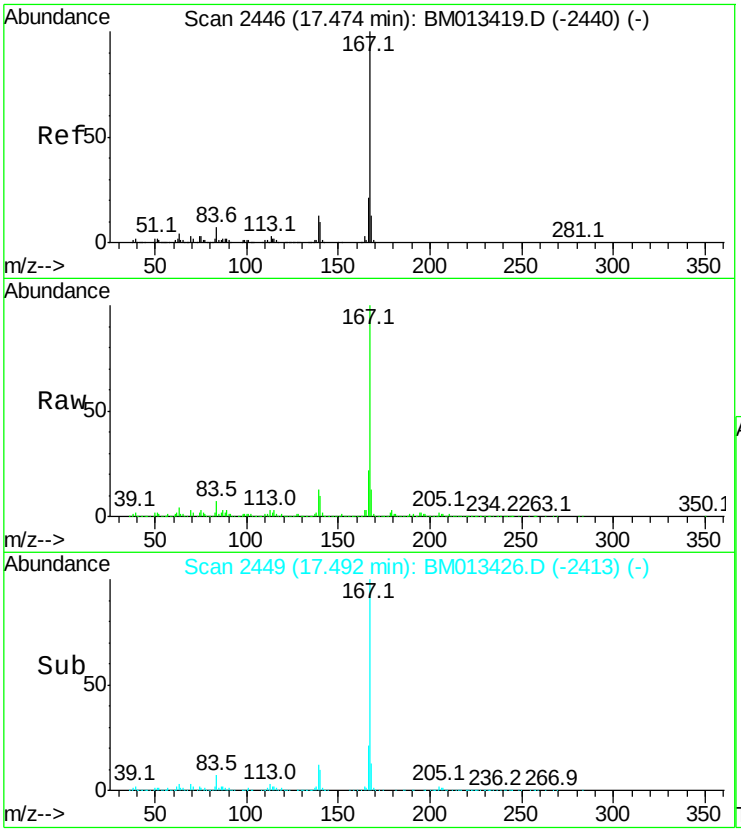


#71
Anthracene
Concen: 189.668 ng/ul
RT: 17.23 min Scan# 2405
Delta R.T. 0.03 min
Lab File: BM013426.D
Acq: 15 Dec 2017 06:00

Tgt Ion:178 Resp:14090339

Ion	Ratio	Lower	Upper
178	100		
179	20.0	11.7	17.5#
176	22.2	14.6	21.8#



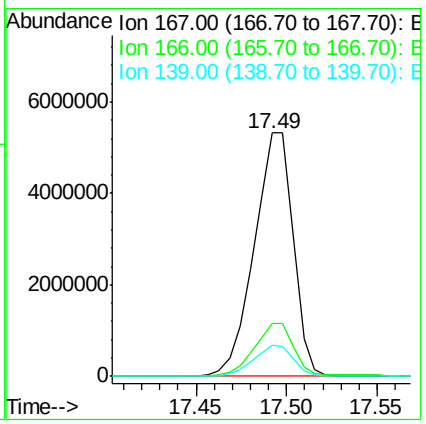


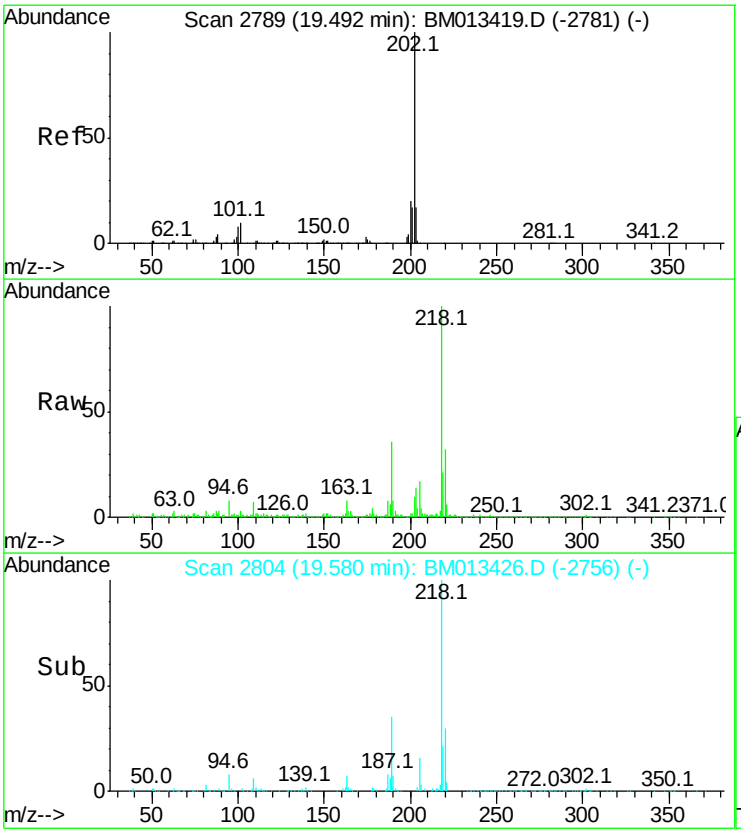
#72
Carbazole
Concen: 123.705 ng/ul
RT: 17.49 min Scan# 2449
Delta R.T. 0.01 min
Lab File: BM013426.D
Acq: 15 Dec 2017 06:00

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:167 Resp: 7904651

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.1	25.7
139	12.9	10.0	15.0

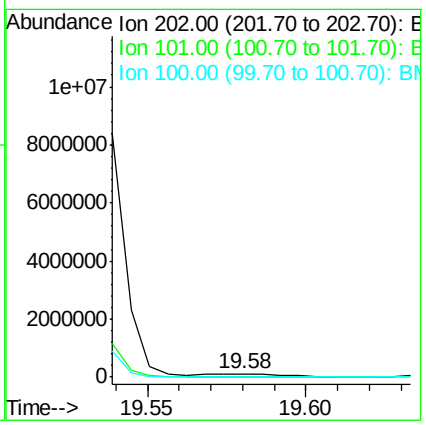


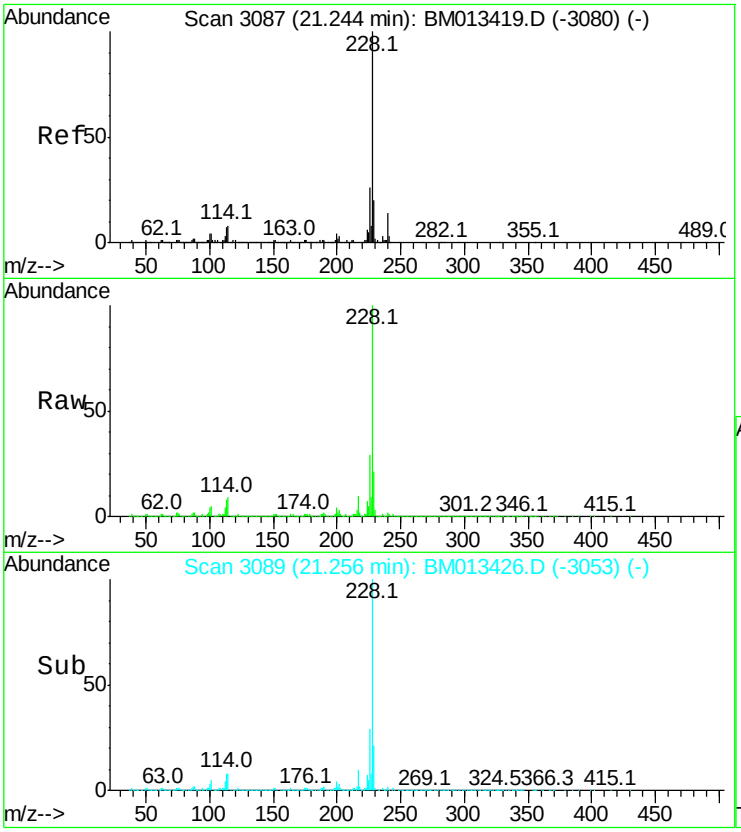


#77
Pyrene
Concen: 2.037 ng/ul
RT: 19.58 min Scan# 2804
Delta R.T. 0.08 min
Lab File: BM013426.D
Acq: 15 Dec 2017 06:00

Tgt Ion:202 Resp: 125948

Ion	Ratio	Lower	Upper
202	100		
101	33.7	5.1	7.7#
100	11.4	4.9	7.3#



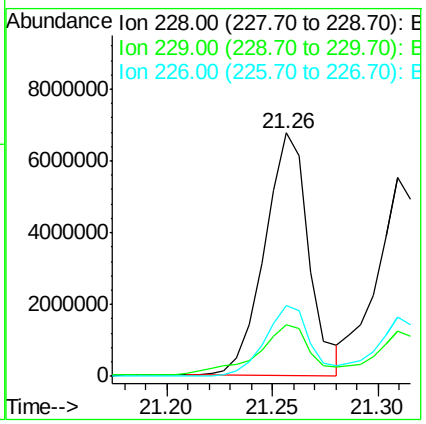


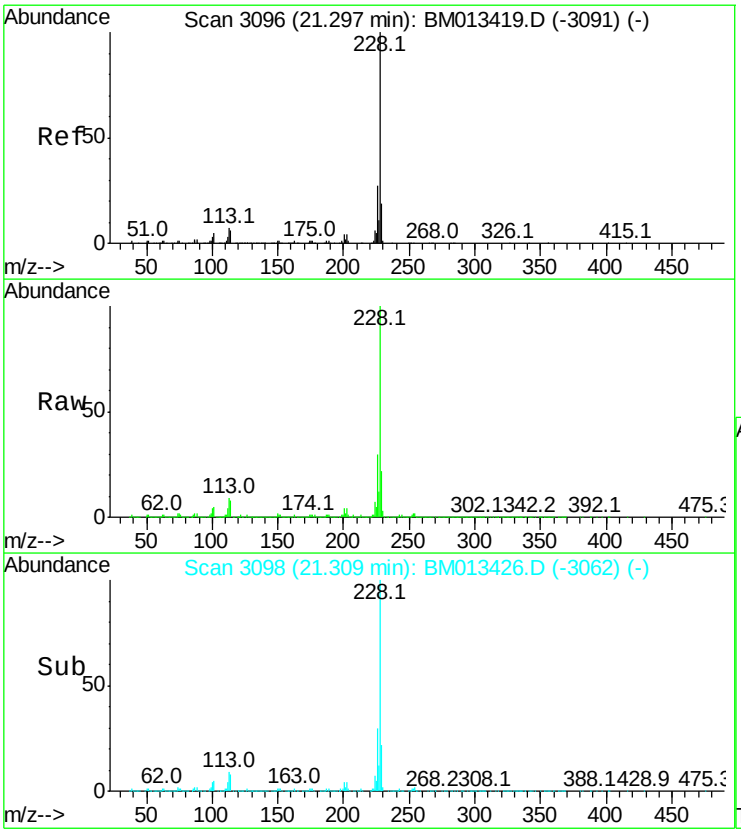
#80
Benzo(a)anthracene
Concen: 151.750 ng/ul
RT: 21.26 min Scan# 3089
Delta R.T. 0.01 min
Lab File: BM013426.D
Acq: 15 Dec 2017 06:00

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:228 Resp: 9796578

Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.4	23.0
226	29.1	21.4	32.0

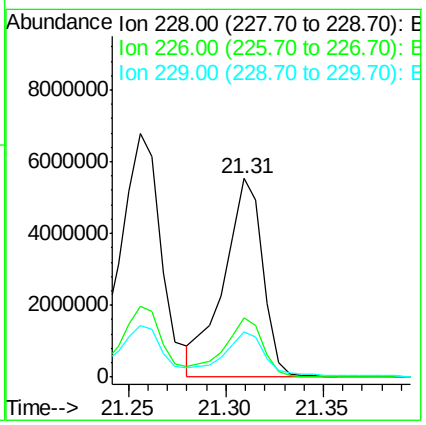


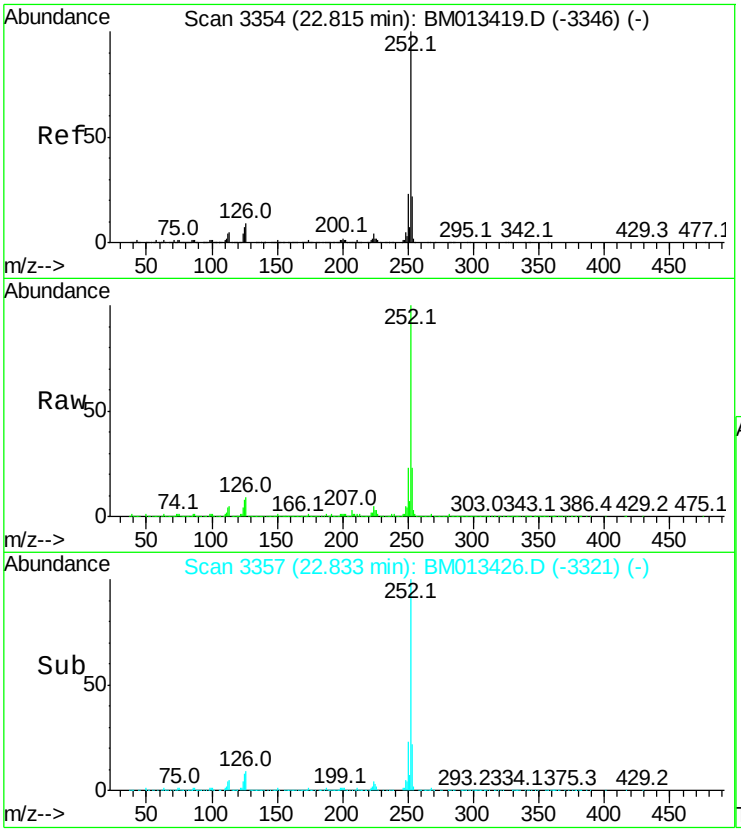


#82
Chrysene
Concen: 127.063 ng/ul
RT: 21.31 min Scan# 3098
Delta R.T. 0.01 min
Lab File: BM013426.D
Acq: 15 Dec 2017 06:00

Tgt Ion:228 Resp: 7610171

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.4	35.2
229	22.5	15.5	23.3



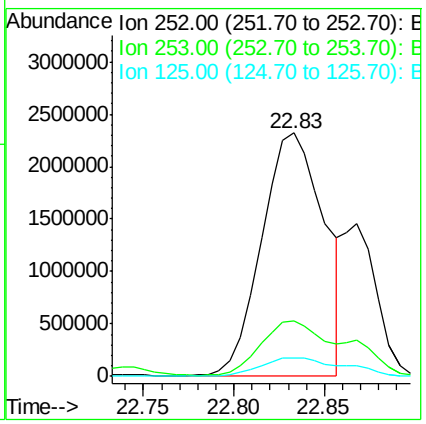


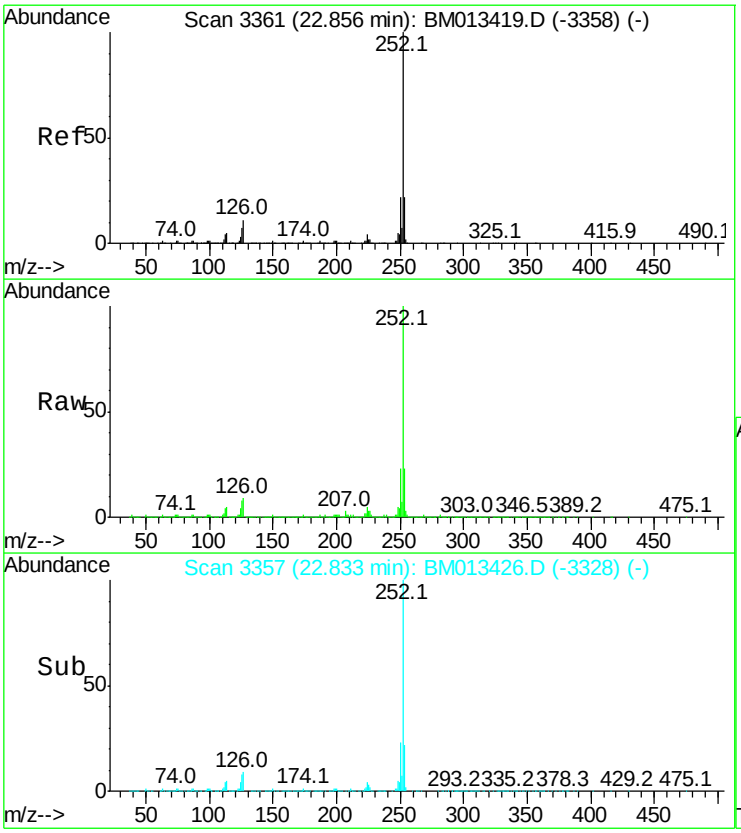
#85
Benzo(b)fluoranthene
Concen: 93.415 ng/ul
RT: 22.83 min Scan# 3357
Delta R.T. 0.01 min
Lab File: BM013426.D
Acq: 15 Dec 2017 06:00

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 5536136

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	7.7	3.6	5.4#

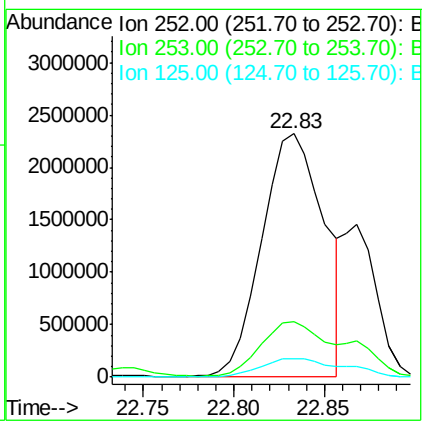


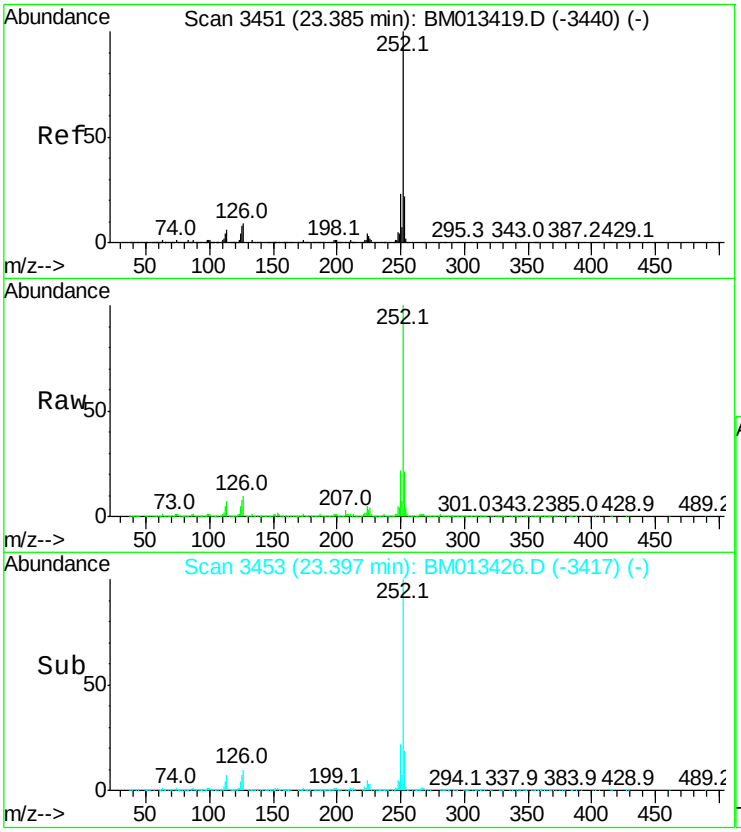


#86
Benzo(k)fluoranthene
Concen: 99.266 ng/ul
RT: 22.83 min Scan# 3357
Delta R.T. -0.03 min
Lab File: BM013426.D
Acq: 15 Dec 2017 06:00

Tgt Ion:252 Resp: 5536136

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	7.7	3.4	5.2#



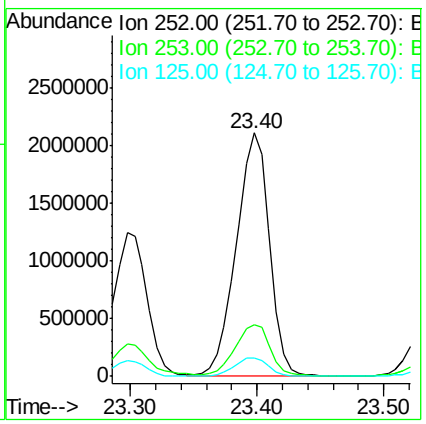


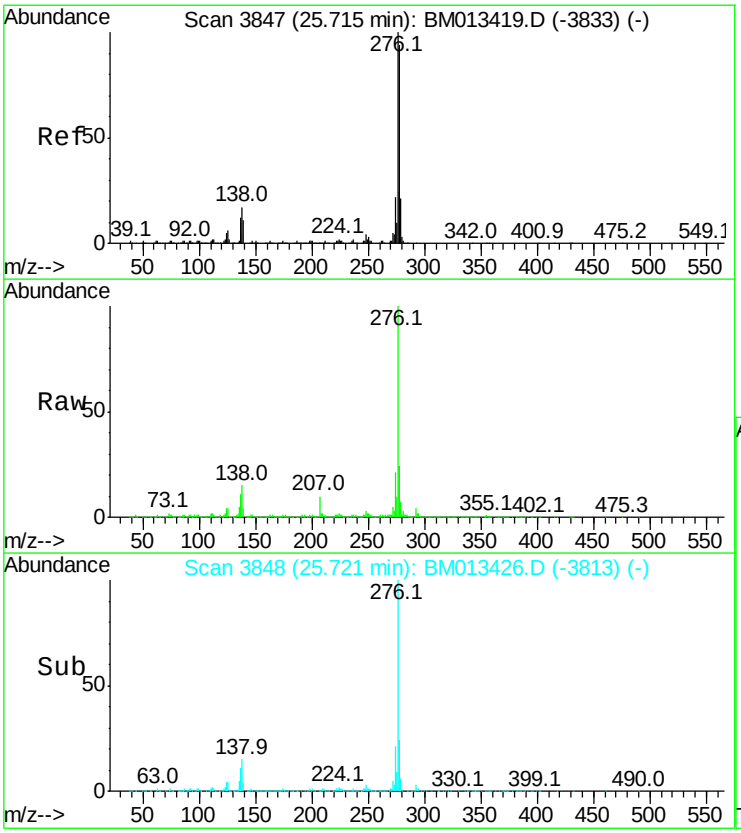
#88
Benzo(a)pyrene
Concen: 71.558 ng/ul
RT: 23.40 min Scan# 3453
Delta R.T. 0.01 min
Lab File: BM013426.D
Acq: 15 Dec 2017 06:00

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 3809512

Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.2	27.2
125	7.7	4.0	6.0#

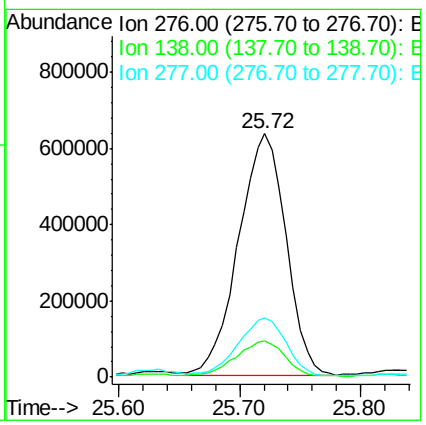


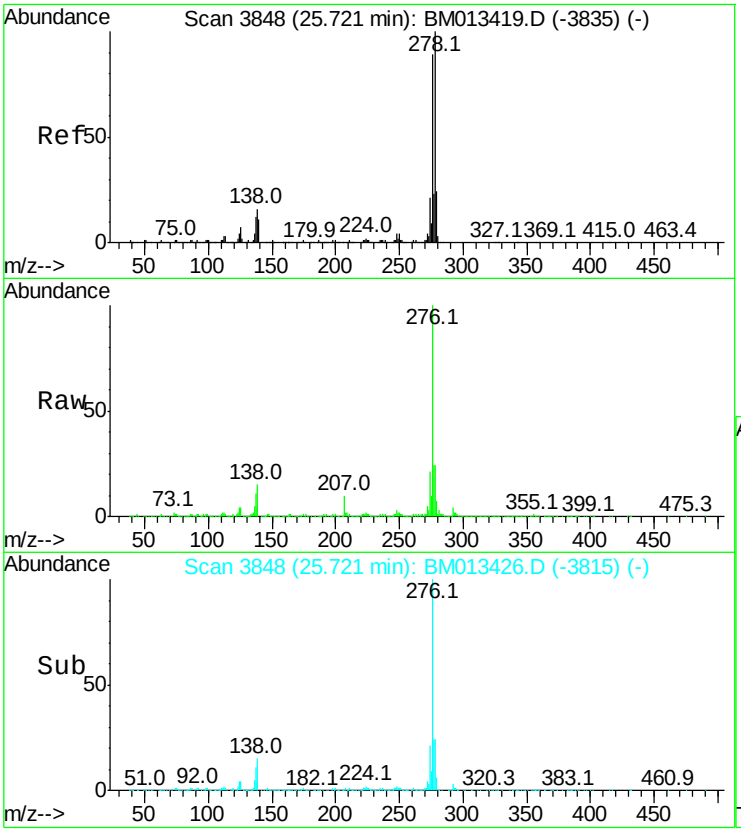


#89
Indeno(1,2,3-cd)pyrene
Concen: 32.722 ng/ul
RT: 25.72 min Scan# 3848
Delta R.T. 0.01 min
Lab File: BM013426.D
Acq: 15 Dec 2017 06:00

Tgt Ion:276 Resp: 1728440

Ion	Ratio	Lower	Upper
276	100		
138	15.0	9.3	13.9#
277	24.2	19.9	29.9



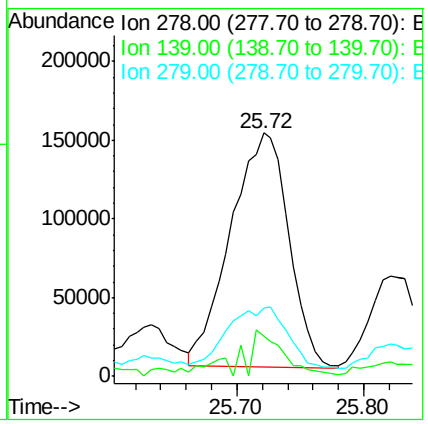


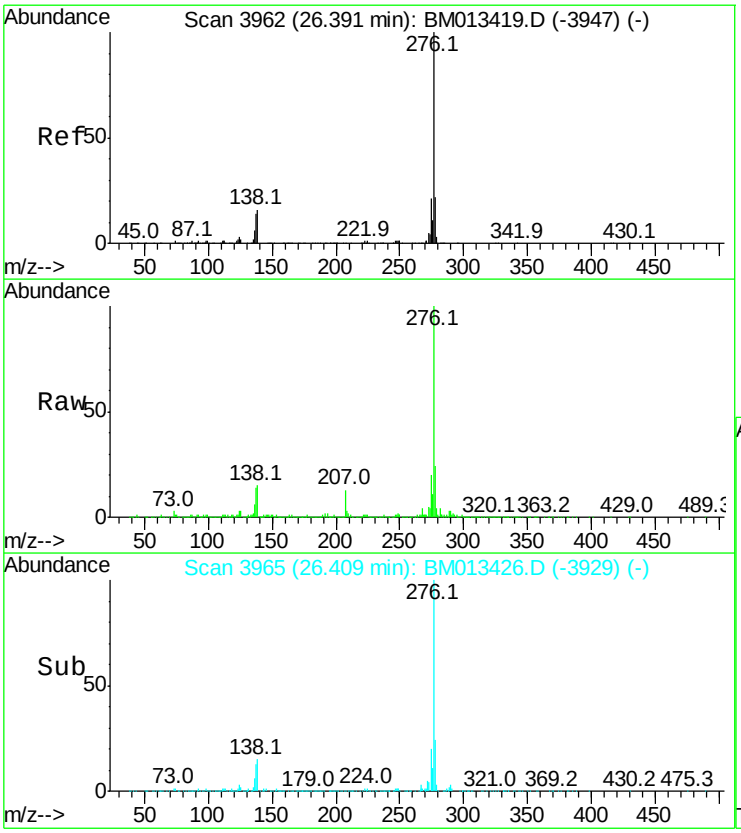
#90
Dibenzo(a,h)anthracene
Concen: 10.515 ng/ul
RT: 25.72 min Scan# 3848
Delta R.T. -0.01 min
Lab File: BM013426.D
Acq: 15 Dec 2017 06:00

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:278 Resp: 472924

Ion	Ratio	Lower	Upper
278	100		
139	16.3	5.8	8.8#
279	28.0	18.6	27.8#





#91
Benzo(g,h,i)perylene
Concen: 35.443 ng/ul
RT: 26.41 min Scan# 3965
Delta R.T. 0.01 min
Lab File: BM013426.D
Acq: 15 Dec 2017 06:00

Tgt Ion:276 Resp: 1476756

Ion	Ratio	Lower	Upper
276	100		
138	14.9	8.5	12.7#
277	24.3	18.6	28.0