Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005606.D
Acq On : 23 May 2016 02:55
Operator : UM/SJ
Sample : H3086-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF4

Quant Time: May 23 05:37:48 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 23 05:32:02 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	156226	20.00	ng/ul	0.01
18) Naphthalene-d8	10.62	136	688335	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.46	164	380123	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.20	188	848806	20.00	ng/ul	0.02
75) Chrysene-d12	21.39	240	708675	20.00	ng/ul	0.02
83) Perylene-d12	23.54	264	636807	20.00	ng/ul	-0.09
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.29	96	12563	3.52	ng/uL	0.00
5) Phenol-d5	7.00	99	321345	25.09	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.15	67	183080	24.67	ng/ul	0.00
9) 2-Chlorophenol-d4	7.36	132	264227	24.73	ng/ul	0.01
13) 4-Methylphenol-d8	8.54	113	257899	24.58	ng/ul	0.02
19) Nitrobenzene-d5	8.98	128	132471	25.17	ng/ul	0.01
22) 2-Nitrophenol-d4	9.70	143	138569	23.92	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.25	165	268646	24.62	ng/ul	0.02
29) 4-Chloroaniline-d4	10.75	131	246251	22.54	ng/ul	0.01
43) Dimethylphthalate-d6	13.87	166	794192	25.59	ng/ul	0.01
46) Acenaphthylene-d8	14.15	160	1024839	26.42	ng/ul	0.01
51) 4-Nitrophenol-d4	14.69	143	117529	20.02	ng/ul	0.04
57) Fluorene-d10	15.45	176	717101	26.56	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.59	200	16762	3.43	ng/ul	0.03
70) Anthracene-d10	17.30	188	1120342	27.71	ng/ul	0.02
76) Pyrene-d10	19.60	212	1144043	35.65	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.54	264	628227	21.13	ng/ul	0.05
Target Compounds						Qvalue
16) 4-Methylphenol	8.60	108	13209	1.22	ng/ul	92
28) Naphthalene	10.66	128	35544	1.03	ng/ul	97
44) Dimethylphthalate	13.92	163	140042	4.57	ng/ul	99
47) Acenaphthylene	14.19	152	2153784	54.65	ng/ul	99
49) Acenaphthene	14.53	153	55955	2.15	ng/ul	94
52) 4-Nitrophenol	14.66	109	13736	2.33	ng/ul#	14
58) Fluorene	15.51	166	90459	3.05	ng/ul	95
60) 4-Nitroaniline	15.52	138	8394	1.20	ng/ul	89
69) Phenanthrene	17.24	178	762874	16.08	ng/ul	98
71) Anthracene	17.34	178	1195380	24.73	ng/ul	99
72) Carbazole	17.61	167	68670	1.64	ng/ul#	87
74) Fluoranthene	19.27	202	3848794	72.08	ng/ul	99
77) Pyrene	19.63	202	4606906	113.08	ng/ul	99
80) Benzo(a)anthracene	21.37	228	2585721	62.07	ng/ul#	86
82) Chrysene	21.43	228	2717246	68.56	ng/ul	95
85) Benzo(b)fluoranthene	23.00	252	3384974	90.12	ng/ul	96
86) Benzo(k)fluoranthene	23.00	252	3384974	95.20	ng/ul	97
88) Benzo(a)pyrene	23.60	252	2377396	65.25	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	25.77	276	229747	5.31	ng/ul	95
90) Dibenzo(a,h)anthracene	25.71	278	483620	13.42	ng/ul	96
91) Benzo(g,h,i)perylene	26.40	276	398638	10.96	ng/ul#	58

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005606.D
Acq On : 23 May 2016 02:55
Operator : UM/SJ
Sample : H3086-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGF4

Quant Time: May 23 05:37:48 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 23 05:32:02 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005606.D
Acq On : 23 May 2016 02:55
Operator : UM/SJ
Sample : H3086-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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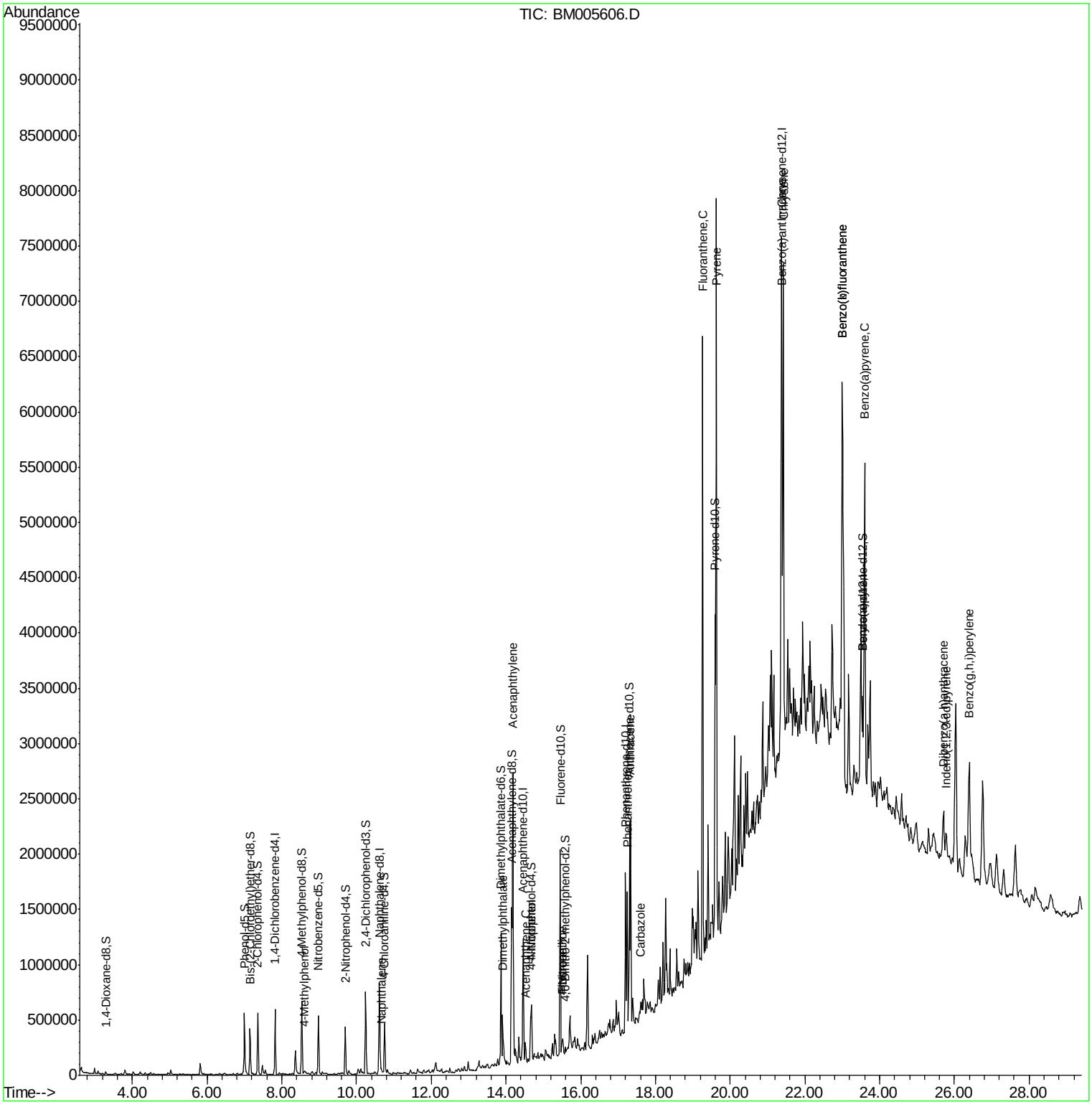
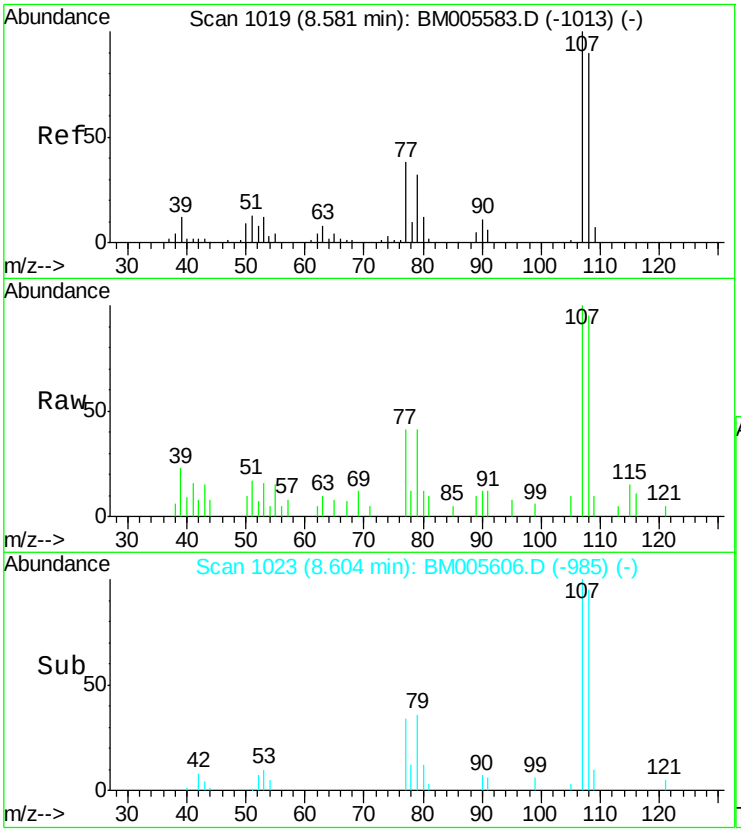
Quant Time: May 23 05:37:48 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 23 05:32:02 2016
Response via : Initial Calibration



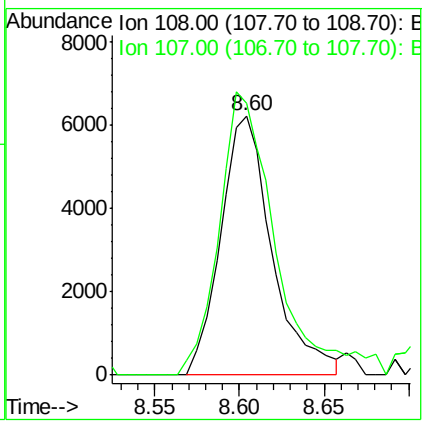


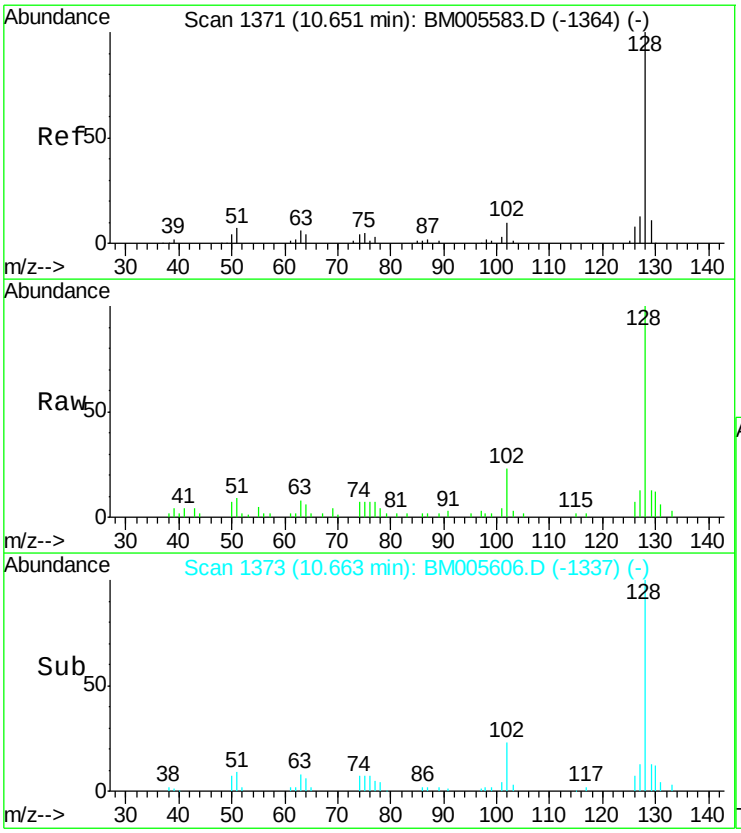
#16
4-Methylphenol
Concen: 1.22 ng/ul
RT: 8.60 min Scan# 1023
Delta R.T. 0.02 min
Lab File: BM005606.D
Acq: 23 May 2016 02:55

Instrument :
BNA_M
ClientSampleId :
JHGF4

Tgt Ion:108 Resp: 13209

Ion	Ratio	Lower	Upper
108	100		
107	104.8	90.3	135.5

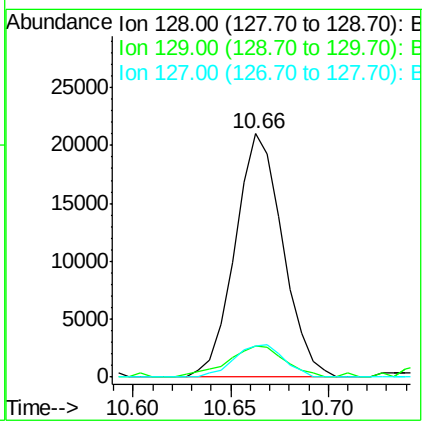


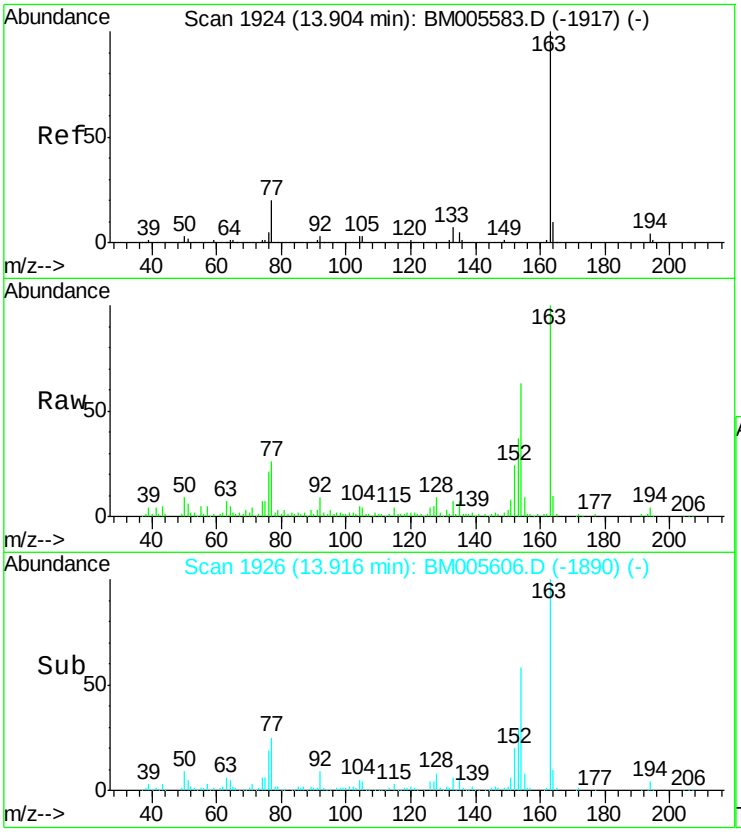


#28
Naphthalene
Concen: 1.03 ng/ul
RT: 10.66 min Scan# 1373
Delta R.T. 0.01 min
Lab File: BM005606.D
Acq: 23 May 2016 02:55

Tgt Ion:128 Resp: 35544

Ion	Ratio	Lower	Upper
128	100		
129	12.8	8.6	13.0
127	12.7	10.6	15.8



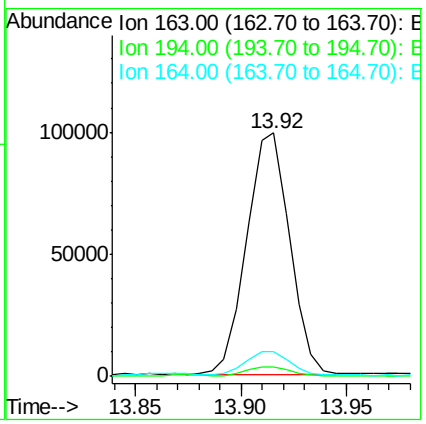


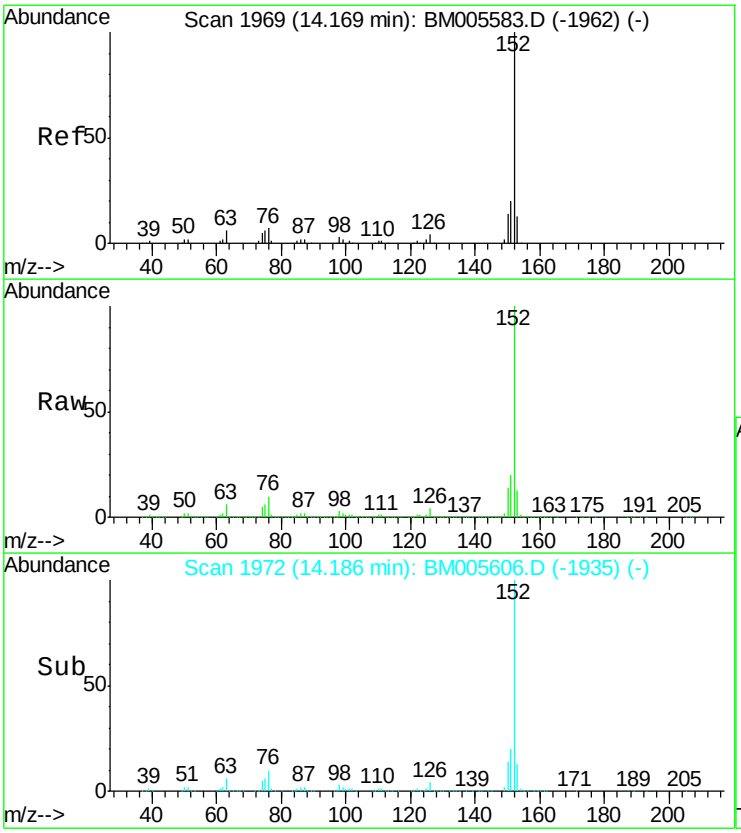
#44
Dimethylphthalate
Concen: 4.57 ng/ul
RT: 13.92 min Scan# 1926
Delta R.T. 0.01 min
Lab File: BM005606.D
Acq: 23 May 2016 02:55

Instrument :
BNA_M
ClientSampleId :
JHGF4

Tgt Ion:163 Resp: 140042

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.0
164	10.3	8.0	12.0

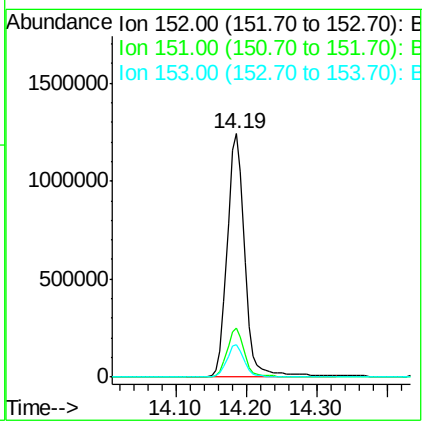


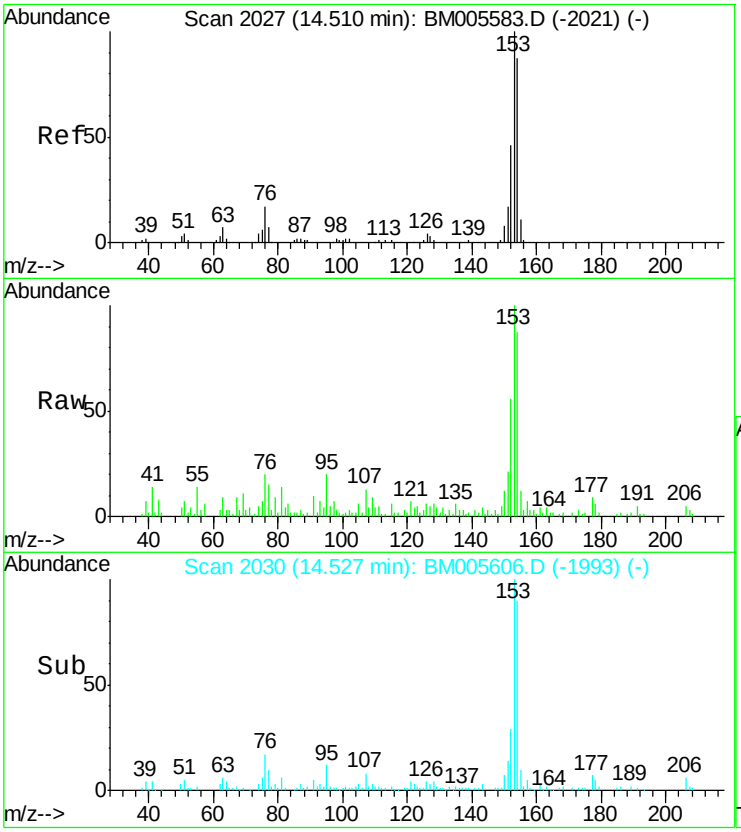


#47
Acenaphthylene
Concen: 54.65 ng/ul
RT: 14.19 min Scan# 1972
Delta R.T. 0.02 min
Lab File: BM005606.D
Acq: 23 May 2016 02:55

Tgt Ion:152 Resp: 2153784

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.7	23.5
153	13.1	10.5	15.7



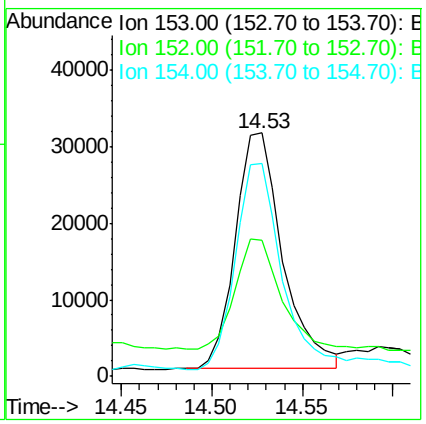


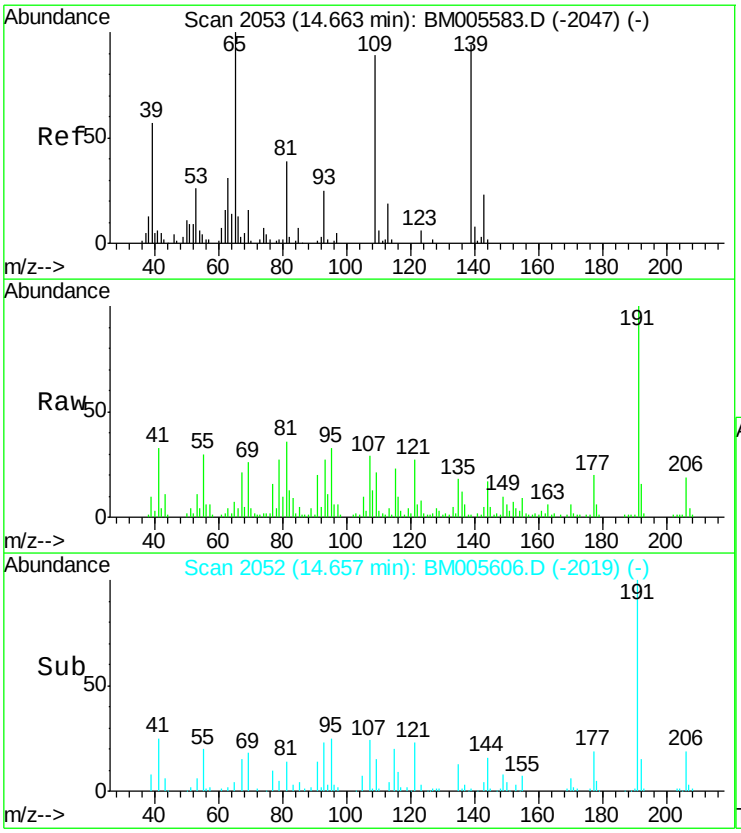
#49
Acenaphthene
Concen: 2.15 ng/ul
RT: 14.53 min Scan# 2030
Delta R.T. 0.02 min
Lab File: BM005606.D
Acq: 23 May 2016 02:55

Instrument :
BNA_M
ClientSampleId :
JHGF4

Tgt Ion:153 Resp: 55955

Ion	Ratio	Lower	Upper
153	100		
152	55.9	37.8	56.6
154	87.5	71.1	106.7

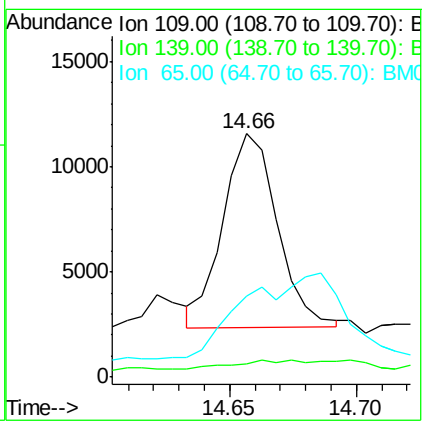


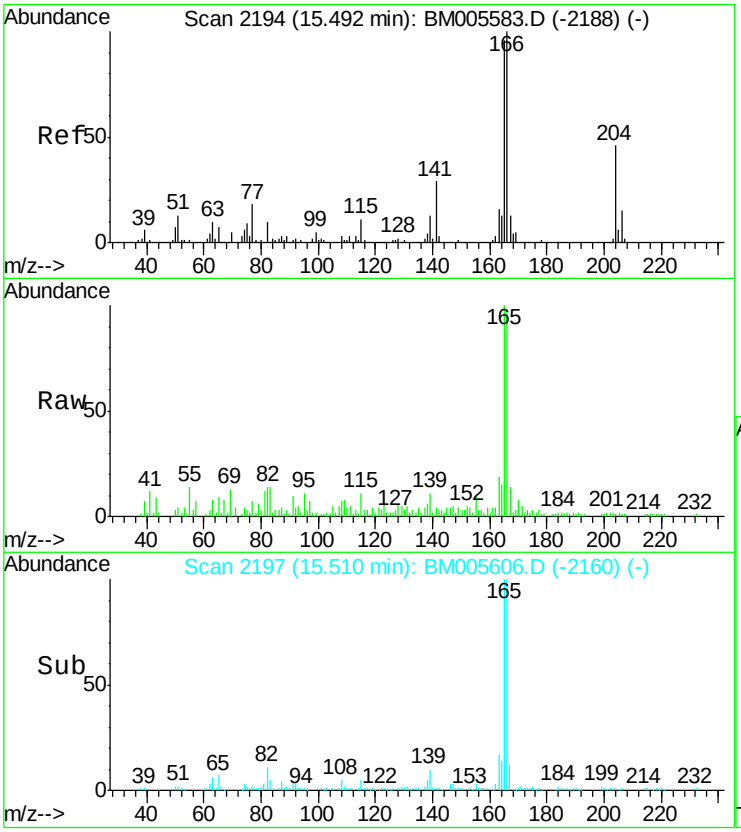


#52
4-Nitrophenol
Concen: 2.33 ng/ul
RT: 14.66 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BM005606.D
Acq: 23 May 2016 02:55

Tgt Ion:109 Resp: 13736

Ion	Ratio	Lower	Upper
109	100		
139	5.3	87.5	131.3#
65	33.4	90.2	135.2#



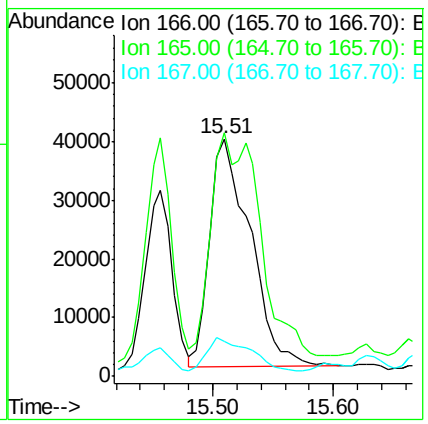


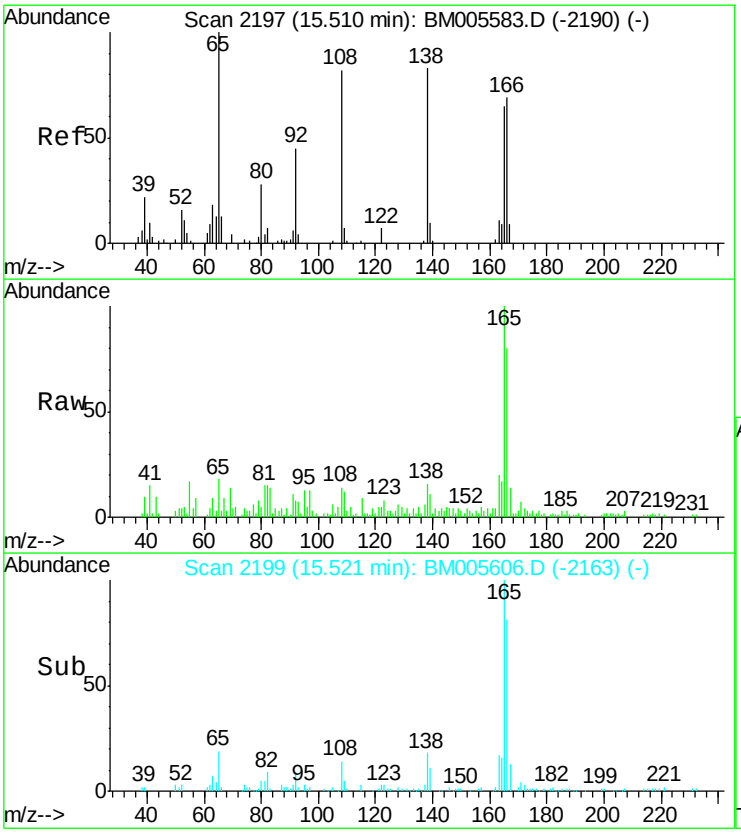
#58
Fluorene
Concen: 3.05 ng/ul
RT: 15.51 min Scan# 2197
Delta R.T. 0.02 min
Lab File: BM005606.D
Acq: 23 May 2016 02:55

Instrument :
BNA_M
ClientSampleId :
JHGF4

Tgt Ion:166 Resp: 90459

Ion	Ratio	Lower	Upper
166	100		
165	102.5	78.0	117.0
167	14.8	10.5	15.7

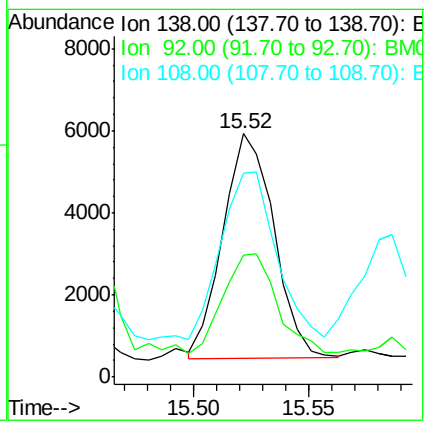


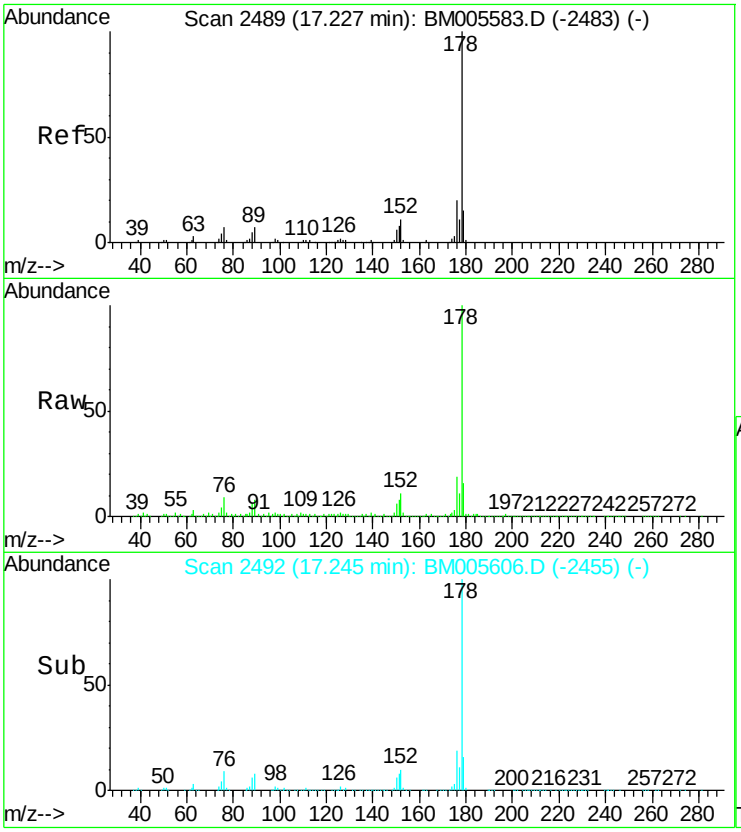


#60
4-Nitroaniline
Concen: 1.20 ng/ul
RT: 15.52 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BM005606.D
Acq: 23 May 2016 02:55

Tgt Ion:138 Resp: 8394

Ion	Ratio	Lower	Upper
138	100		
92	50.2	41.4	62.0
108	83.7	79.4	119.0



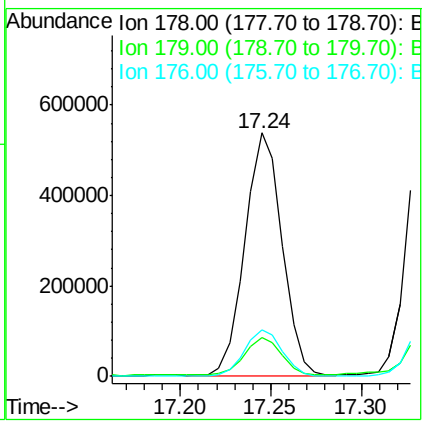


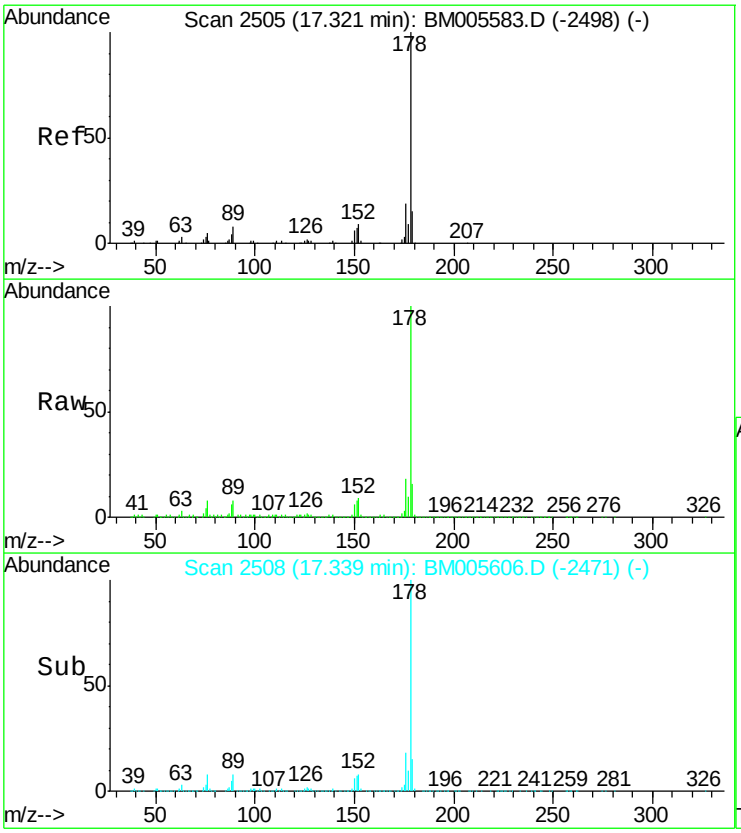
#69
Phenanthrene
Concen: 16.08 ng/ul
RT: 17.24 min Scan# 2492
Delta R.T. 0.02 min
Lab File: BM005606.D
Acq: 23 May 2016 02:55

Instrument :
BNA_M
ClientSampleId :
JHGF4

Tgt Ion:178 Resp: 762874

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.2	18.2
176	19.0	15.8	23.6

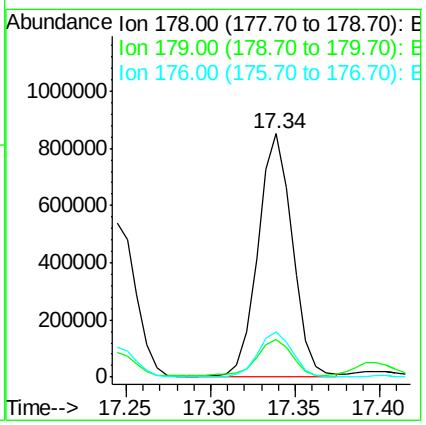


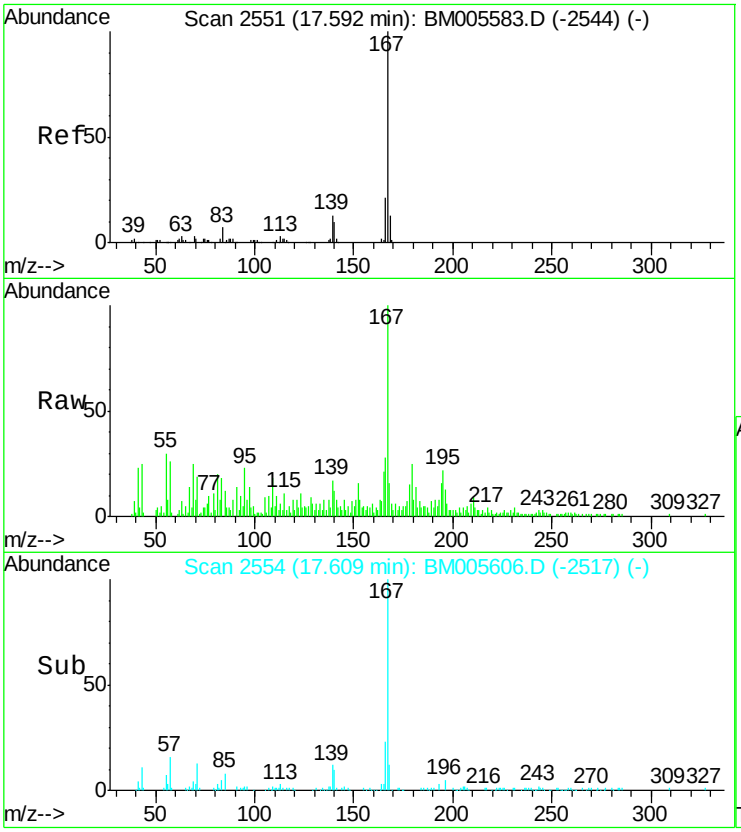


#71
Anthracene
Concen: 24.73 ng/ul
RT: 17.34 min Scan# 2508
Delta R.T. 0.02 min
Lab File: BM005606.D
Acq: 23 May 2016 02:55

Tgt Ion:178 Resp: 1195380

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	18.8
176	18.3	15.0	22.4



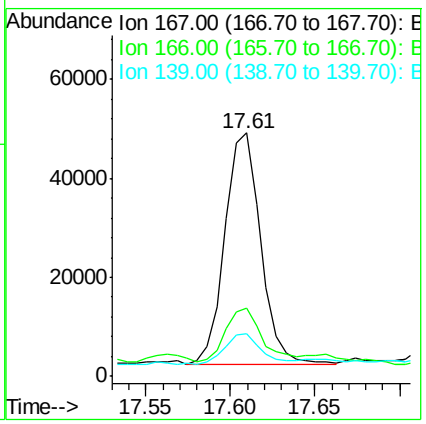


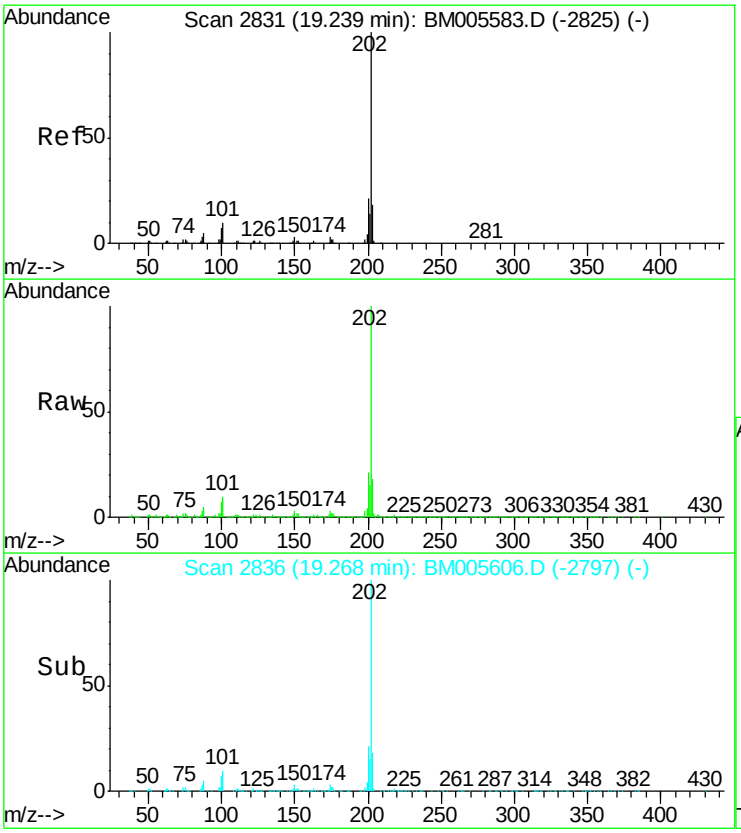
#72
Carbazole
Concen: 1.64 ng/ul
RT: 17.61 min Scan# 2554
Delta R.T. 0.02 min
Lab File: BM005606.D
Acq: 23 May 2016 02:55

Instrument :
BNA_M
ClientSampleId :
JHGF4

Tgt Ion:167 Resp: 68670

Ion	Ratio	Lower	Upper
167	100		
166	27.9	16.9	25.3#
139	17.4	10.6	16.0#

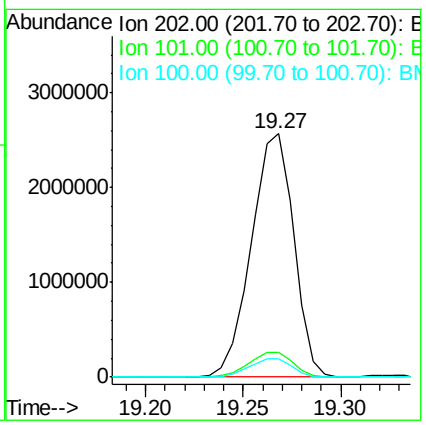


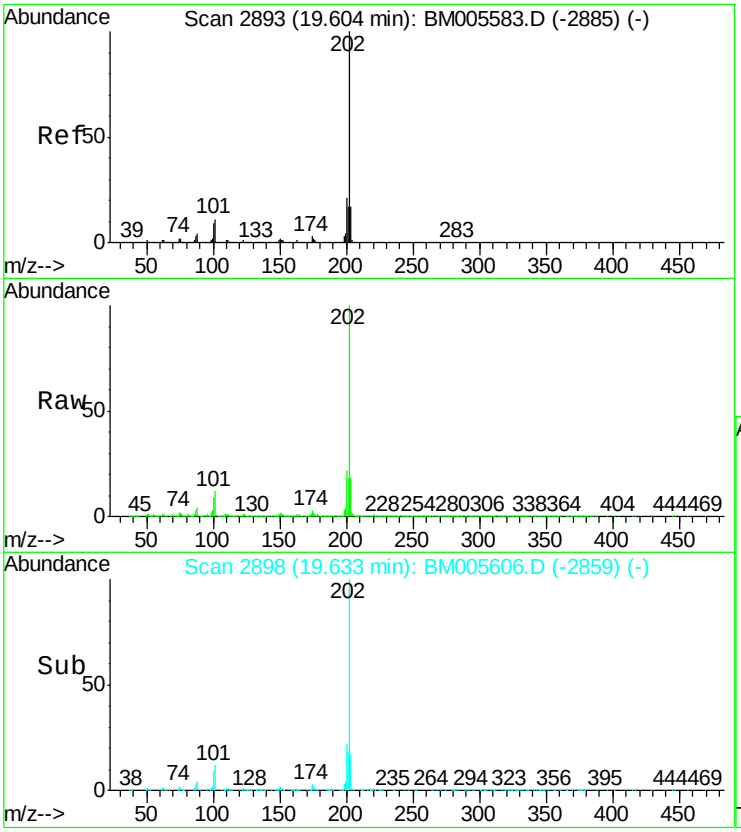


#74
Fluoranthene
Concen: 72.08 ng/ul
RT: 19.27 min Scan# 2836
Delta R.T. 0.03 min
Lab File: BM005606.D
Acq: 23 May 2016 02:55

Tgt Ion:202 Resp: 3848794

Ion	Ratio	Lower	Upper
202	100		
101	9.9	7.9	11.9
100	7.4	5.6	8.4



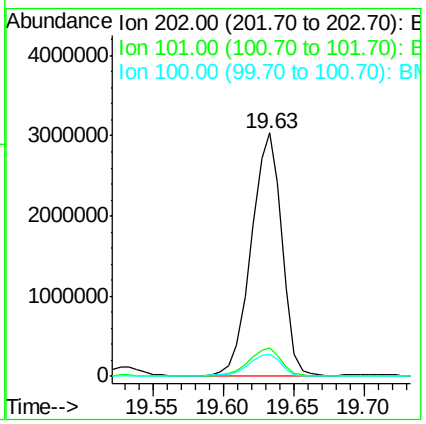


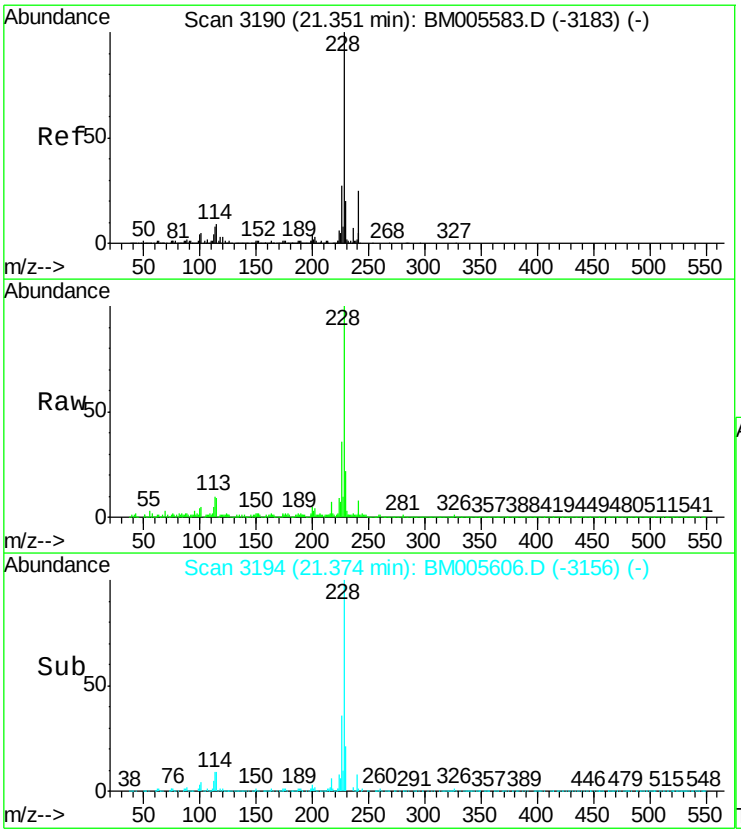
#77
Pyrene
Concen: 113.08 ng/ul
RT: 19.63 min Scan# 2898
Delta R.T. 0.03 min
Lab File: BM005606.D
Acq: 23 May 2016 02:55

Instrument :
BNA_M
ClientSampleId :
JHGF4

Tgt Ion:202 Resp: 4606906

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.6	14.4
100	9.2	7.8	11.6

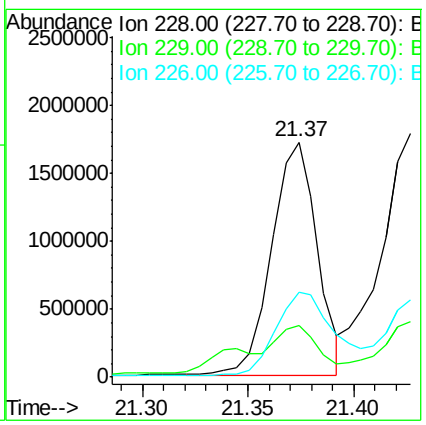


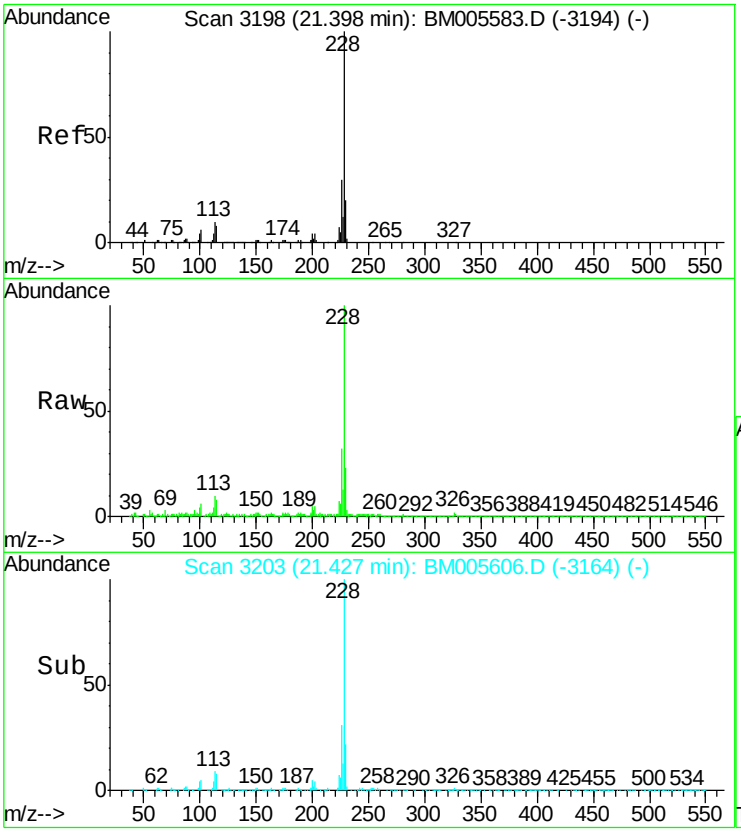


#80
Benzo(a)anthracene
Concen: 62.07 ng/ul
RT: 21.37 min Scan# 3194
Delta R.T. 0.02 min
Lab File: BM005606.D
Acq: 23 May 2016 02:55

Tgt Ion:228 Resp: 2585721

Ion	Ratio	Lower	Upper
228	100		
229	21.8	15.4	23.2
226	36.4	21.0	31.4#



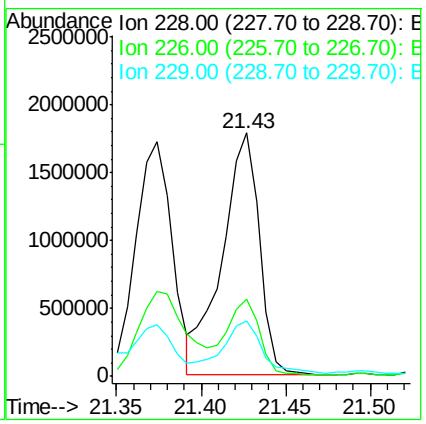


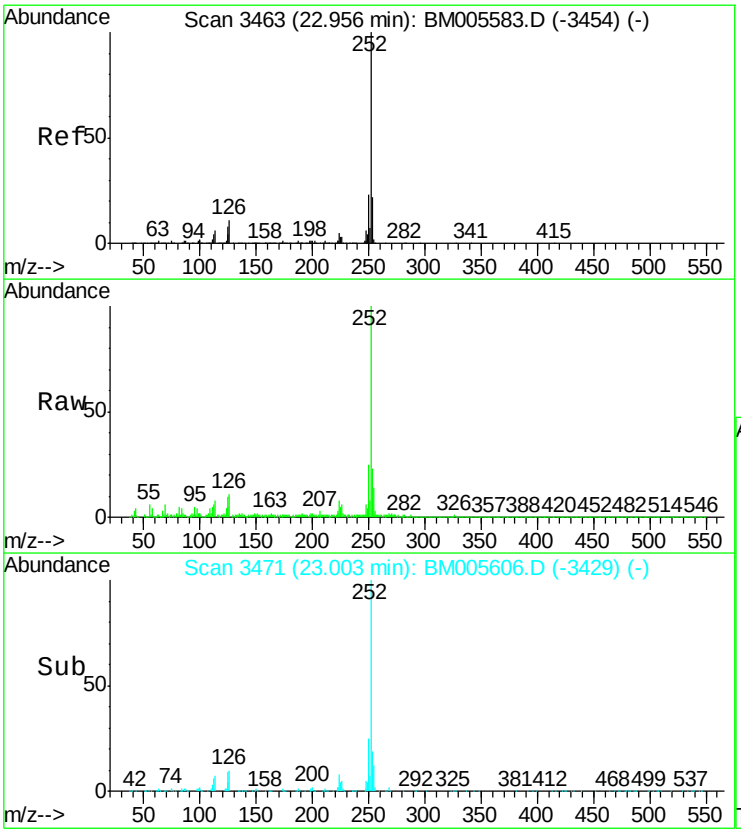
#82
Chrysene
Concen: 68.56 ng/ul
RT: 21.43 min Scan# 3203
Delta R.T. 0.03 min
Lab File: BM005606.D
Acq: 23 May 2016 02:55

Instrument :
BNA_M
ClientSampleId :
JHGF4

Tgt Ion:228 Resp: 2717246

Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.7	35.5
229	22.7	15.5	23.3

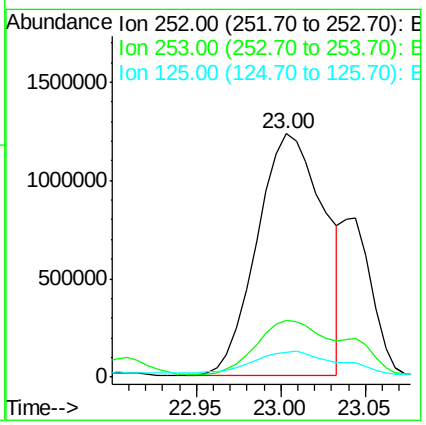


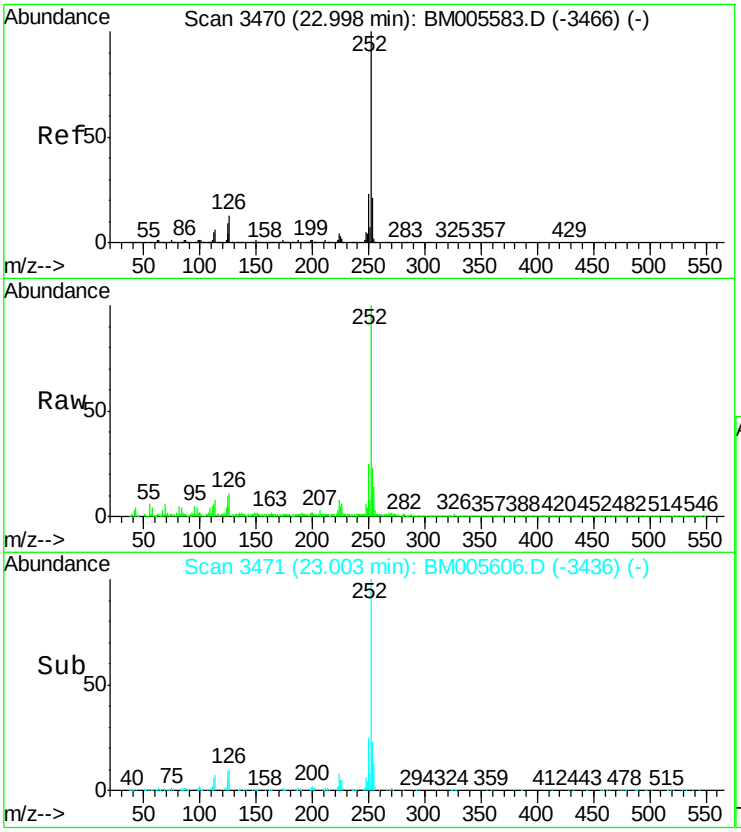


#85
Benzo(b)fluoranthene
Concen: 90.12 ng/ul
RT: 23.00 min Scan# 3471
Delta R.T. 0.05 min
Lab File: BM005606.D
Acq: 23 May 2016 02:55

Tgt Ion:252 Resp: 3384974

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	10.4	7.0	10.4



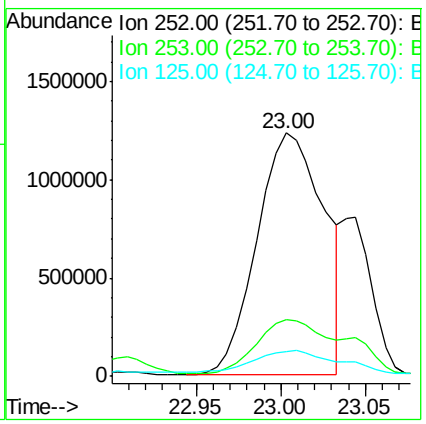


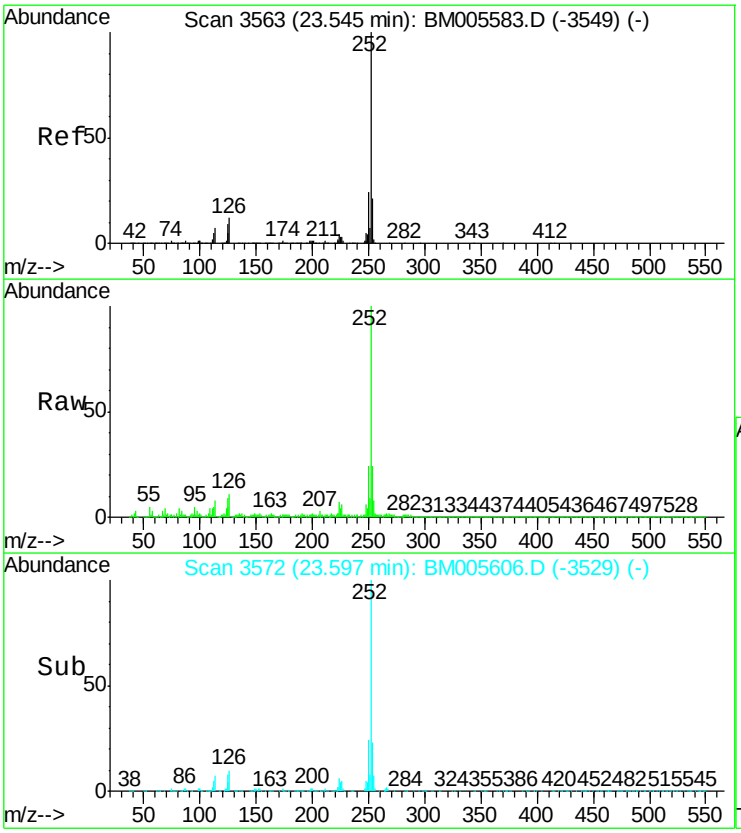
#86
Benzo(k)fluoranthene
Concen: 95.20 ng/ul
RT: 23.00 min Scan# 3471
Delta R.T. 0.01 min
Lab File: BM005606.D
Acq: 23 May 2016 02:55

Instrument :
BNA_M
ClientSampleId :
JHGF4

Tgt Ion:252 Resp: 3384974

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	10.4	7.0	10.6

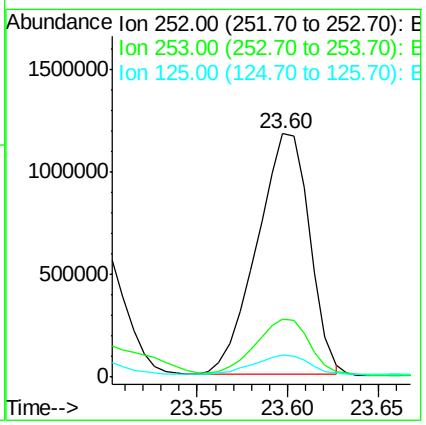


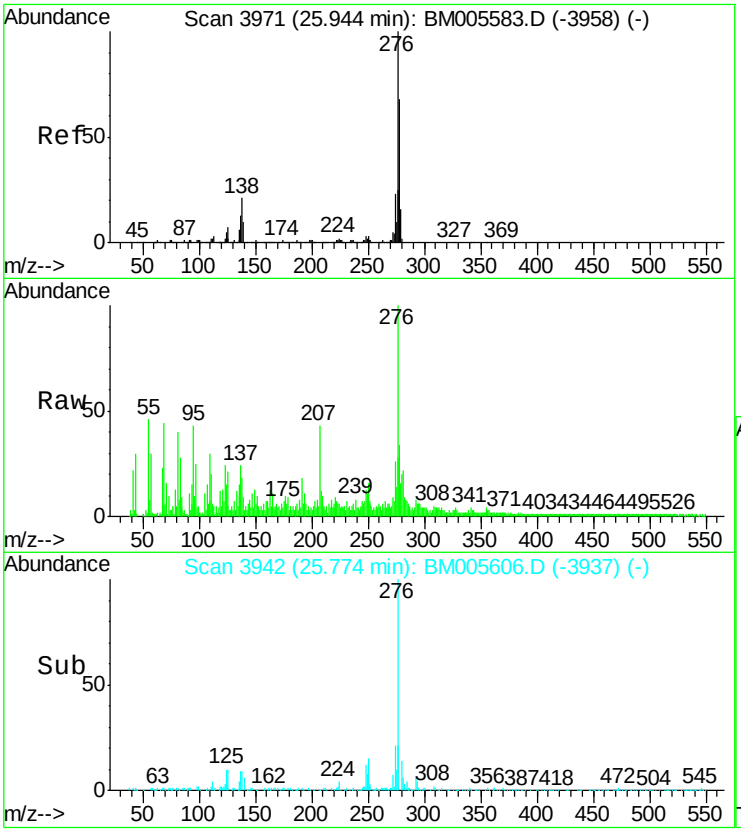


#88
Benzo(a)pyrene
Concen: 65.25 ng/ul
RT: 23.60 min Scan# 3572
Delta R.T. 0.05 min
Lab File: BM005606.D
Acq: 23 May 2016 02:55

Tgt Ion:252 Resp: 2377396

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.6	26.4
125	9.1	7.6	11.4



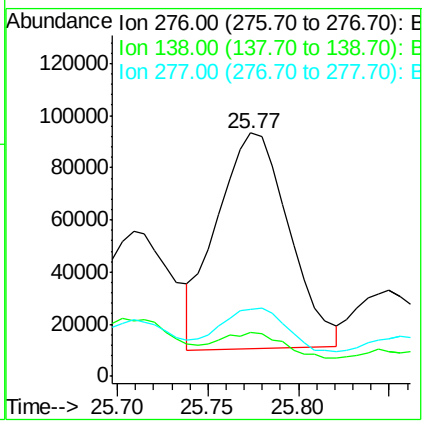


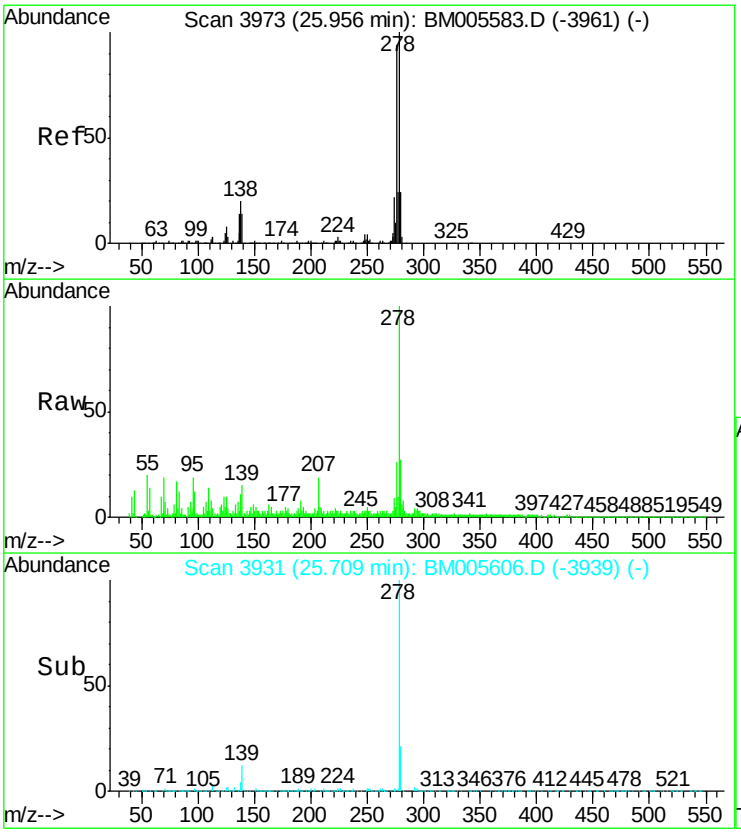
#89
Indeno(1,2,3-cd)pyrene
Concen: 5.31 ng/ul
RT: 25.77 min Scan# 3942
Delta R.T. -0.17 min
Lab File: BM005606.D
Acq: 23 May 2016 02:55

Instrument :
BNA_M
ClientSampleId :
JHGF4

Tgt Ion:276 Resp: 229747

Ion	Ratio	Lower	Upper
276	100		
138	18.3	16.9	25.3
277	27.5	20.2	30.4

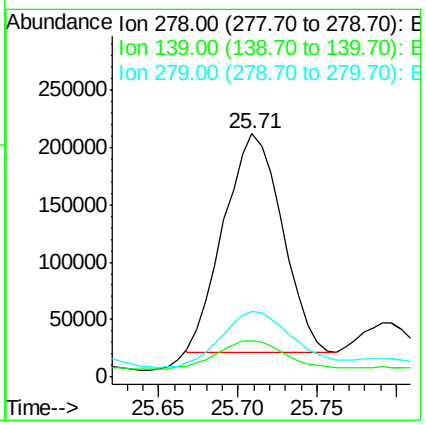


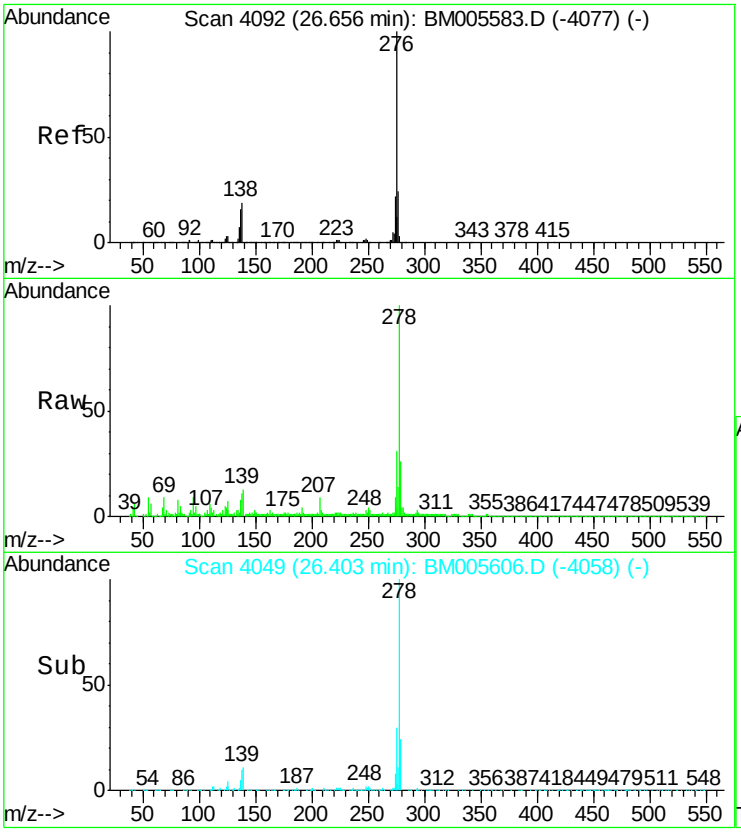


#90
Dibenzo(a,h)anthracene
Concen: 13.42 ng/ul
RT: 25.71 min Scan# 3931
Delta R.T. -0.25 min
Lab File: BM005606.D
Acq: 23 May 2016 02:55

Tgt Ion:278 Resp: 483620

Ion	Ratio	Lower	Upper
278	100		
139	15.0	11.8	17.6
279	26.9	19.4	29.2





#91
Benzo(g,h,i)perylene
Concen: 10.96 ng/ul
RT: 26.40 min Scan# 4049
Delta R.T. -0.25 min
Lab File: BM005606.D
Acq: 23 May 2016 02:55

Instrument :
BNA_M
ClientSampleId :
JHGF4

Tgt Ion:276 Resp: 398638

Ion	Ratio	Lower	Upper
276	100		
138	35.8	15.0	22.6#
277	45.8	18.6	28.0#