Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005632.D
Acq On : 24 May 2016 05:30
Operator : UM/SJ
Sample : H3086-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF3RE

Quant Time: May 24 07:00:13 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 24 06:55:29 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	213619	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	871071	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	405656	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	703656	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	726540	20.00	ng/ul	0.00
83) Perylene-d12	23.67	264	741747	20.00	ng/ul	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.27	96	14073	2.89	ng/uL	0.00
5) Phenol-d5	6.99	99	361608	20.65	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.14	67	224705	22.14	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	309634	21.20	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	279099	19.45	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	149821	22.50	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	160835	21.94	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	277537	20.10	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	109599	7.93	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	710759	21.46	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	926763	22.39	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	99228	15.84	ng/ul	0.01
57) Fluorene-d10	15.44	176	572331	19.86	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	22062	5.45	ng/ul	0.01
70) Anthracene-d10	17.29	188	775096	23.12	ng/ul	0.01
76) Pyrene-d10	19.59	212	828613	25.18	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.52	264	748295	21.60	ng/ul	0.02
Target Compounds						Qvalue
28) Naphthalene	10.65	128	112886	2.58	ng/ul	98
30) 4-Chloroaniline	10.65	127	14815	1.05	ng/ul#	14
34) 2-Methylnaphthalene	12.26	142	91686	2.86	ng/ul	100
44) Dimethylphthalate	13.90	163	117501	3.59	ng/ul#	95
47) Acenaphthylene	14.17	152	269334	6.40	ng/ul	95
49) Acenaphthene	14.51	153	27767	1.00	ng/ul#	89
53) Dibenzofuran	14.84	168	46755	1.18	ng/ul#	82
58) Fluorene	15.49	166	81451	2.57	ng/ul#	83
69) Phenanthrene	17.24	178	1100560	27.99	ng/ul	97
71) Anthracene	17.24	178	1100560	27.46	ng/ul	97
72) Carbazole	17.60	167	65678	1.89	ng/ul#	60
74) Fluoranthene	19.25	202	1249438	28.23	ng/ul	98
77) Pyrene	19.62	202	1495856	35.81	ng/ul	100
80) Benzo(a)anthracene	21.36	228	478349	11.20	ng/ul#	84
81) Bis(2-ethylhexyl)phthalate	21.27	149	36813	1.48	ng/ul#	91
82) Chrysene	21.40	228	637583	15.69	ng/ul#	94
85) Benzo(b)fluoranthene	22.97	252	713638	16.31	ng/ul#	86
86) Benzo(k)fluoranthene	22.97	252	713638	17.23	ng/ul#	86
88) Benzo(a)pyrene	23.57	252	610328	14.38	ng/ul#	91
89) Indeno(1,2,3-cd)pyrene	26.00	276	535847	10.63	ng/ul	98
90) Dibenzo(a,h)anthracene	26.00	278	107027	2.55	ng/ul#	62
91) Benzo(g,h,i)perylene	26.72	276	589022	13.90	ng/ul	95

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005632.D
Acq On : 24 May 2016 05:30
Operator : UM/SJ
Sample : H3086-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGF3RE

Quant Time: May 24 07:00:13 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 24 06:55:29 2016
Response via : Initial Calibration

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

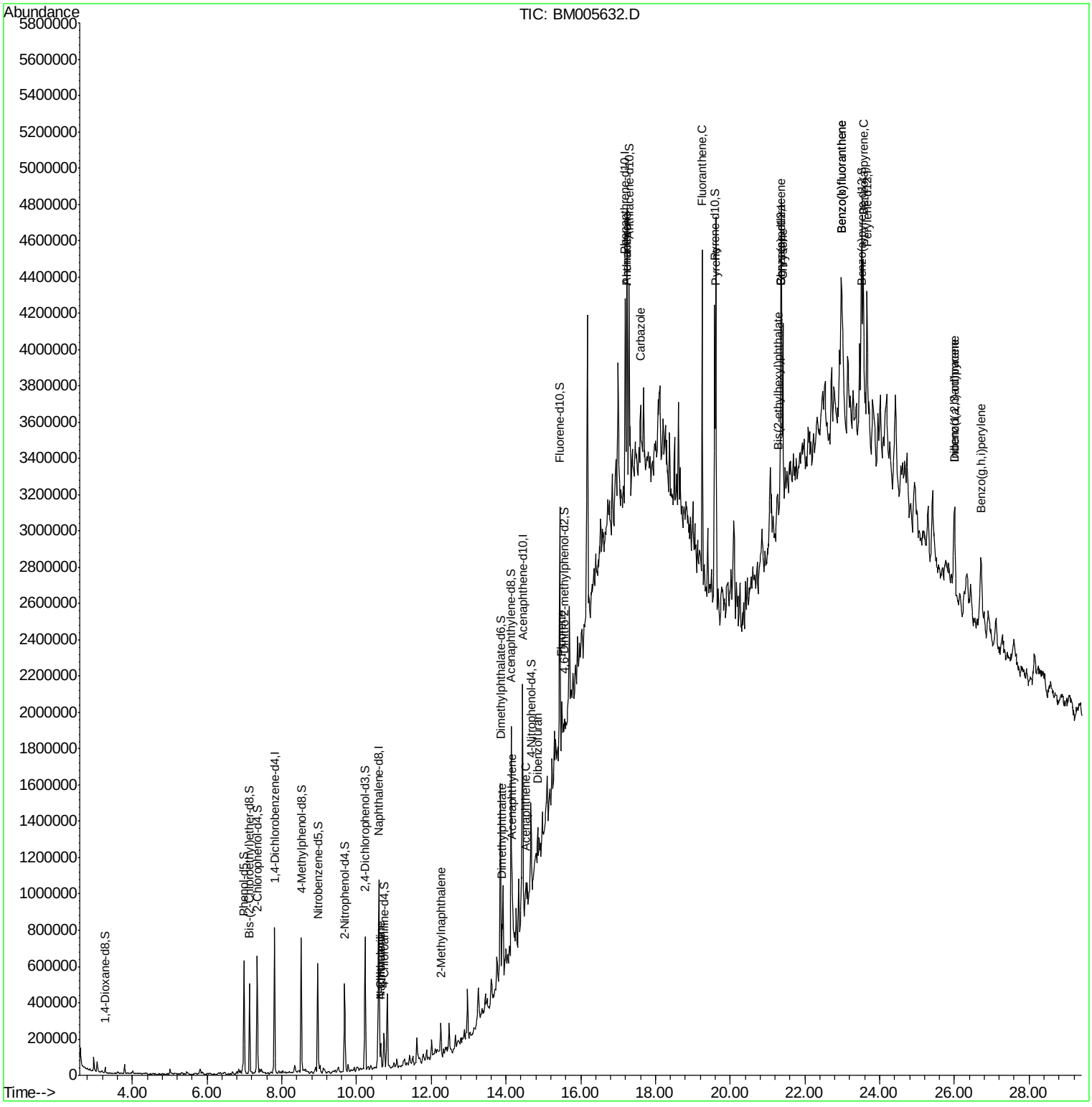
(#) = qualifier out of range (m) = manual integration (+) = signals summed

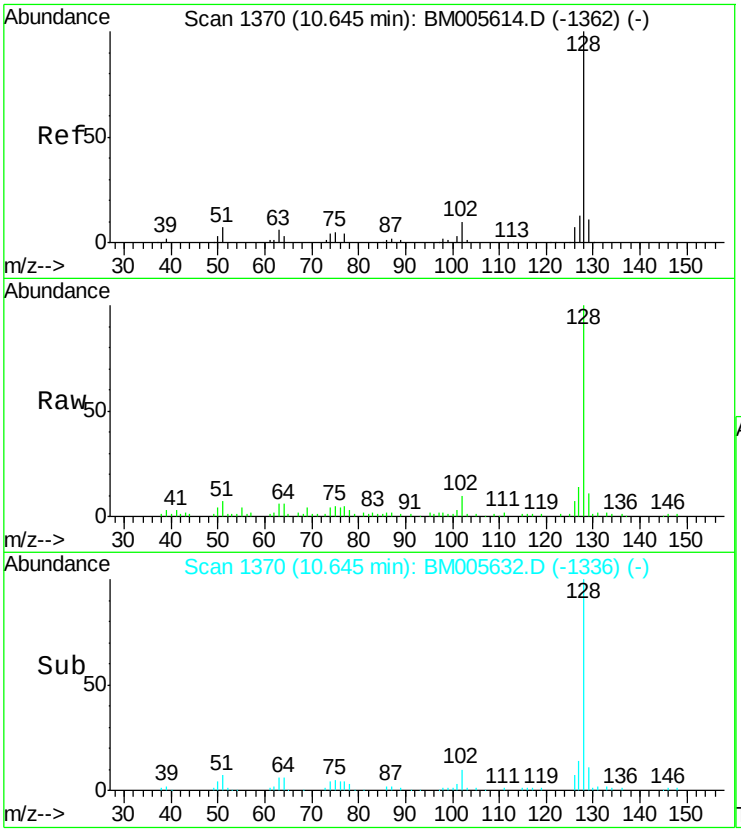
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005632.D
Acq On : 24 May 2016 05:30
Operator : UM/SJ
Sample : H3086-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF3RE

Quant Time: May 24 07:00:13 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 24 06:55:29 2016
Response via : Initial Calibration



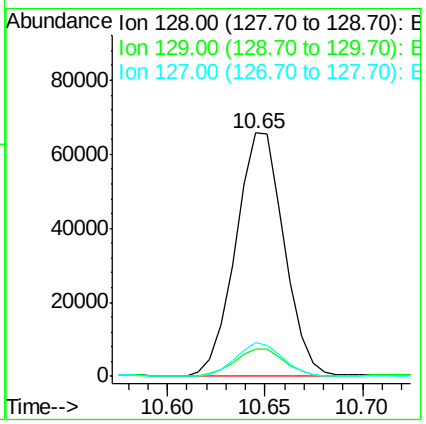


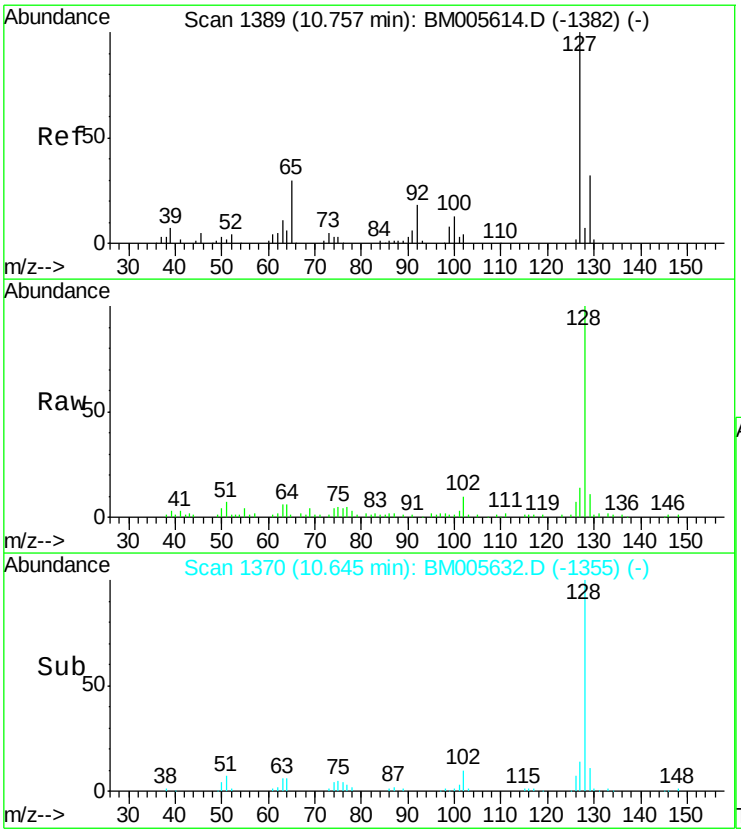
#28
Naphthalene
Concen: 2.58 ng/ul
RT: 10.65 min Scan# 1370
Delta R.T. -0.00 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Instrument :
BNA_M
ClientSampleId :
JHGF3RE

Tgt Ion:128 Resp: 112886

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.6	13.0
127	13.8	10.6	15.8

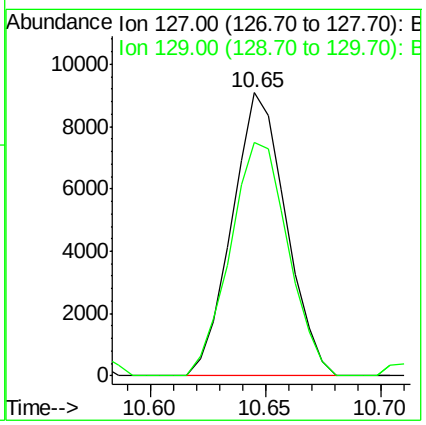


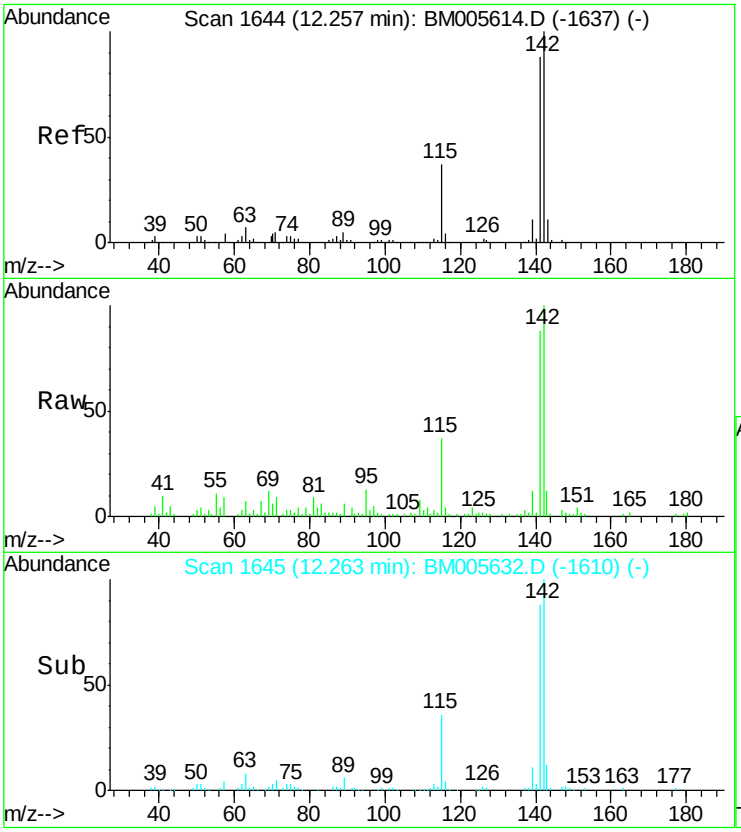


#30
4-Chloroaniline
Concen: 1.05 ng/ul
RT: 10.65 min Scan# 1370
Delta R.T. -0.11 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Tgt Ion:127 Resp: 14815

Ion	Ratio	Lower	Upper
127	100		
129	82.3	26.9	40.3#



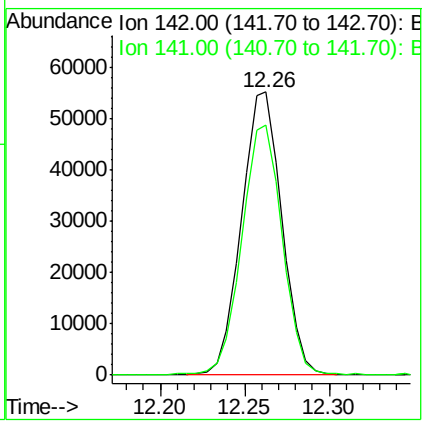


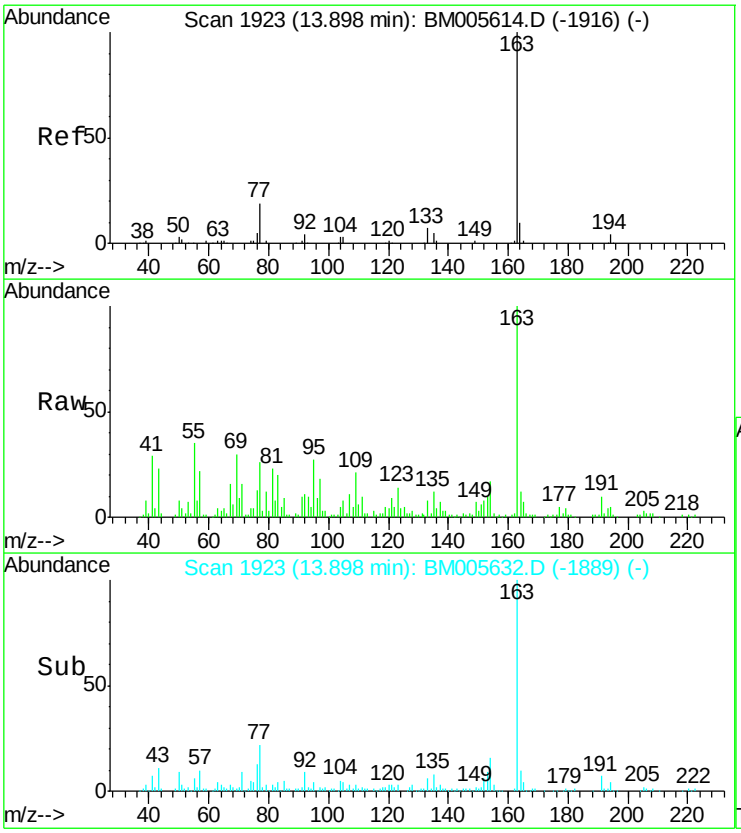
#34
2-Methylnaphthalene
Concen: 2.86 ng/ul
RT: 12.26 min Scan# 1645
Delta R.T. 0.01 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Instrument :
BNA_M
ClientSampleId :
JHGF3RE

Tgt Ion:142 Resp: 91686

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.6	106.0

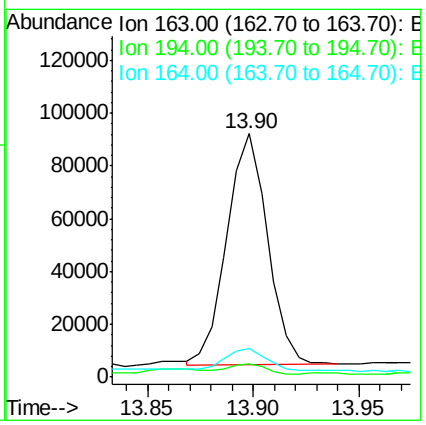


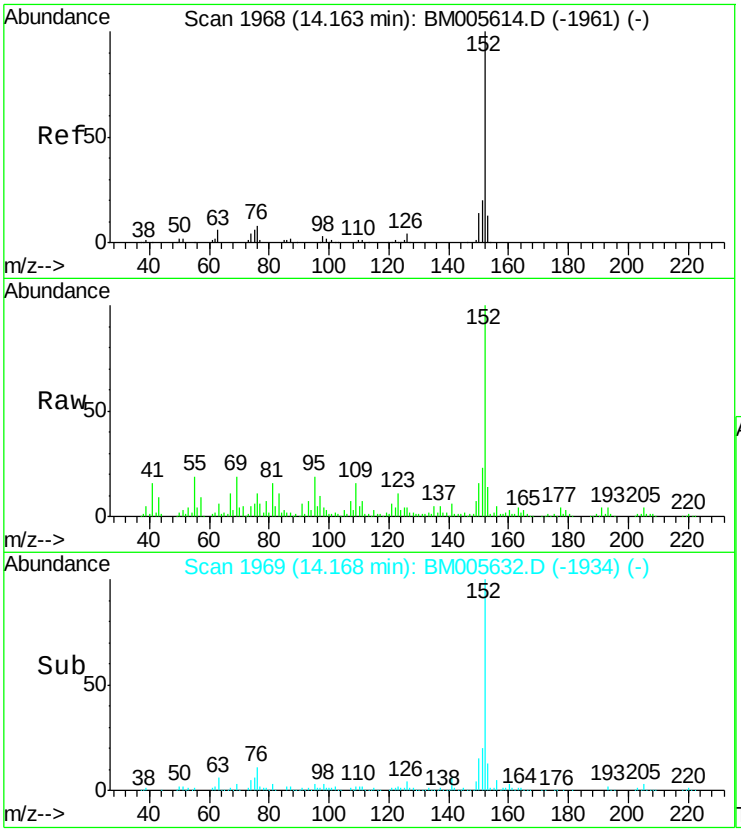


#44
Dimethylphthalate
Concen: 3.59 ng/ul
RT: 13.90 min Scan# 1923
Delta R.T. -0.00 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Tgt Ion:163 Resp: 117501

Ion	Ratio	Lower	Upper
163	100		
194	5.2	3.4	5.0#
164	11.9	8.0	12.0



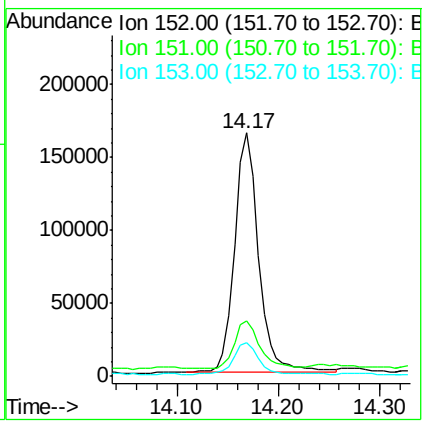


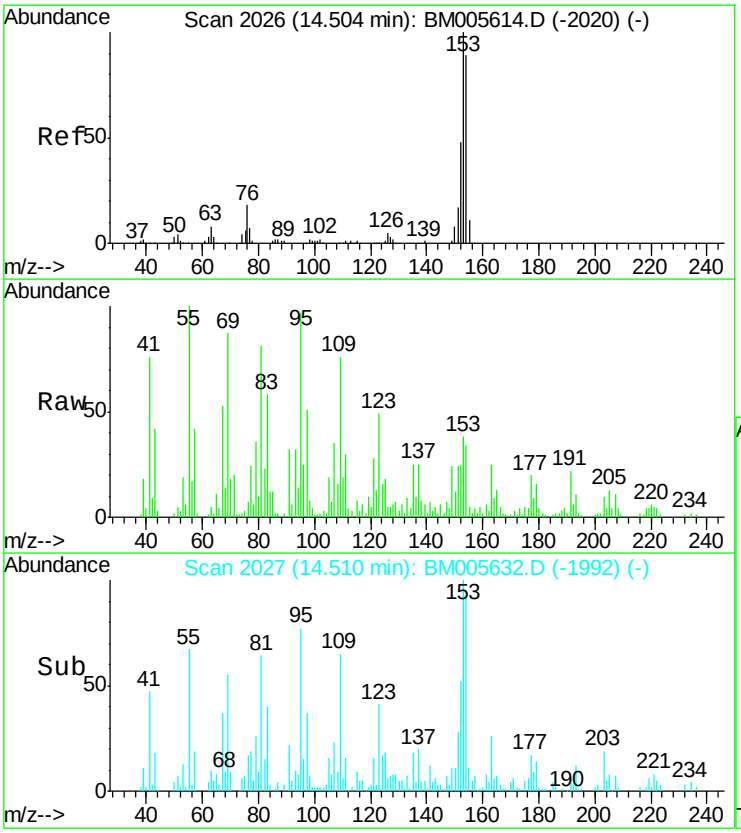
#47
Acenaphthylene
Concen: 6.40 ng/ul
RT: 14.17 min Scan# 1969
Delta R.T. 0.01 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Instrument :
BNA_M
ClientSampleId :
JHGF3RE

Tgt Ion:152 Resp: 269334

Ion	Ratio	Lower	Upper
152	100		
151	22.8	15.7	23.5
153	14.0	10.5	15.7

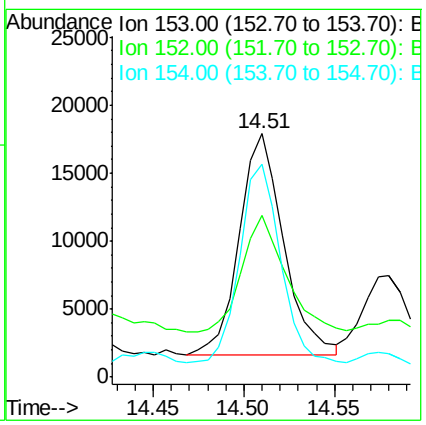


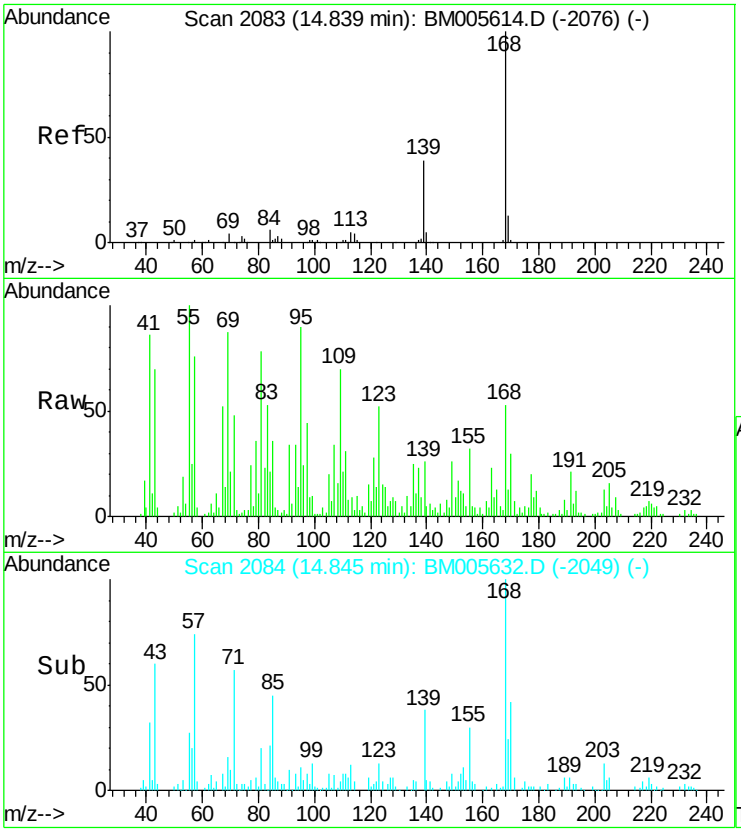


#49
Acenaphthene
Concen: 1.00 ng/ul
RT: 14.51 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Tgt Ion:153 Resp: 27767

Ion	Ratio	Lower	Upper
153	100		
152	66.4	37.8	56.6#
154	87.4	71.1	106.7



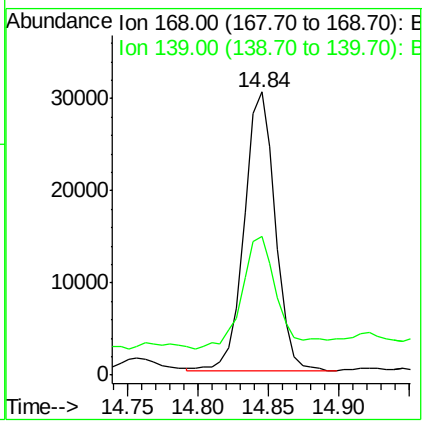


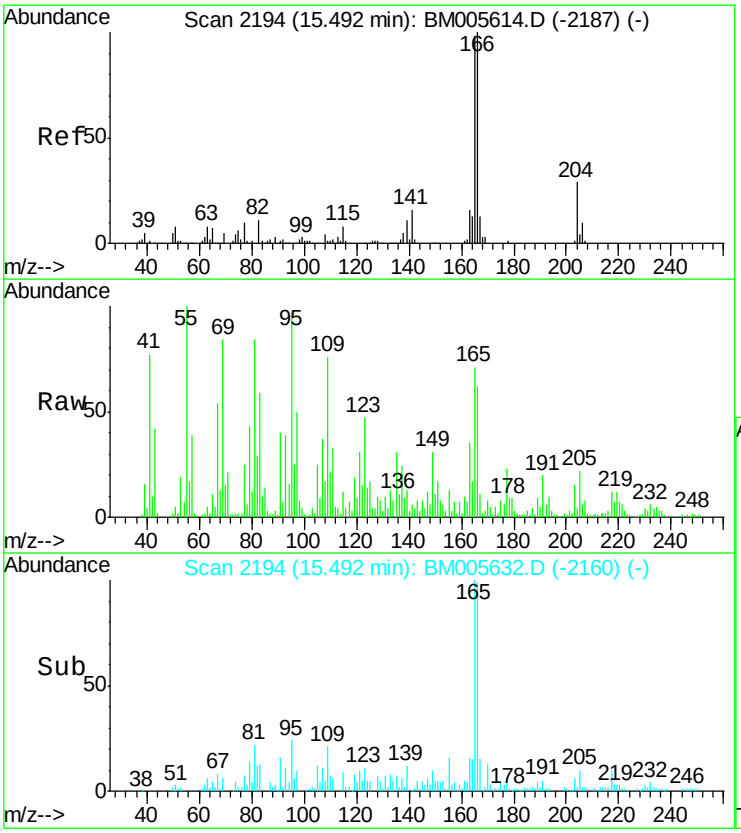
#53
Dibenzofuran
Concen: 1.18 ng/ul
RT: 14.84 min Scan# 2084
Delta R.T. 0.01 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Instrument :
BNA_M
ClientSampleId :
JHGF3RE

Tgt Ion:168 Resp: 46755

Ion	Ratio	Lower	Upper
168	100		
139	48.9	30.6	46.0#

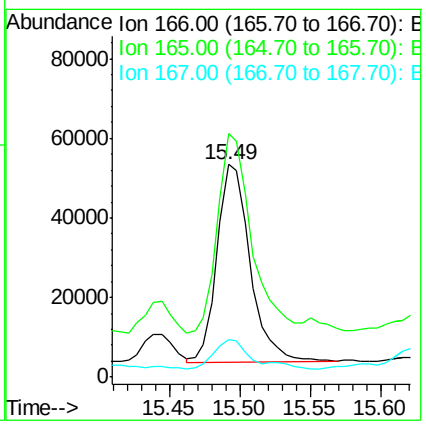


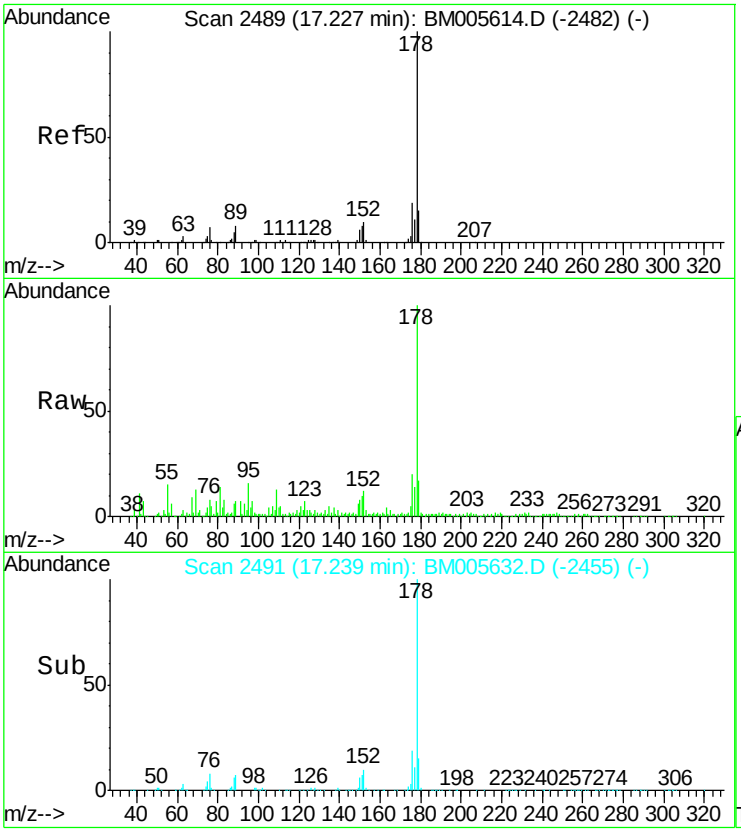


#58
Fluorene
Concen: 2.57 ng/ul
RT: 15.49 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Tgt Ion:166 Resp: 81451

Ion	Ratio	Lower	Upper
166	100		
165	114.5	78.0	117.0
167	17.6	10.5	15.7#



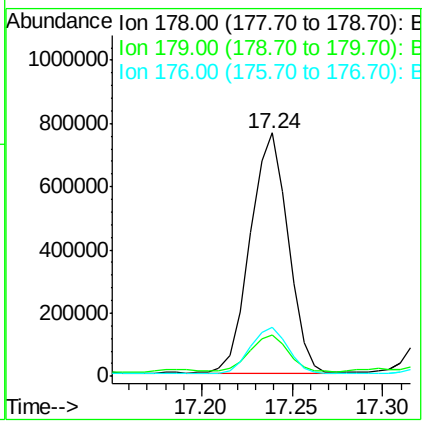


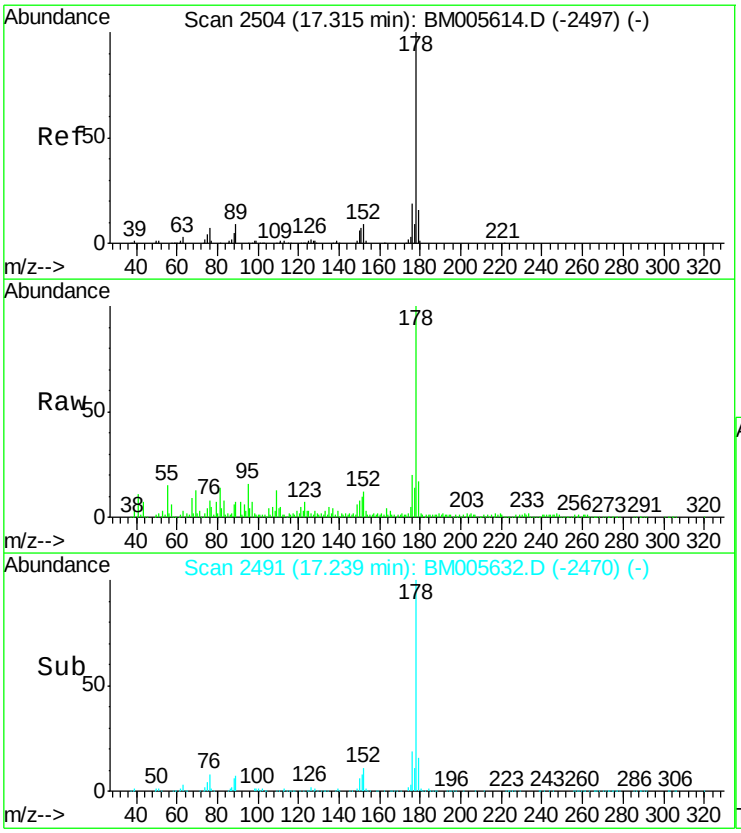
#69
Phenanthrene
Concen: 27.99 ng/ul
RT: 17.24 min Scan# 2491
Delta R.T. 0.01 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Instrument :
BNA_M
ClientSampleId :
JHGF3RE

Tgt Ion:178 Resp: 1100560

Ion	Ratio	Lower	Upper
178	100		
179	17.1	12.2	18.2
176	20.2	15.8	23.6

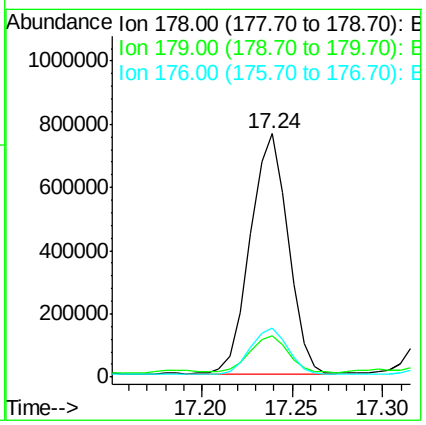


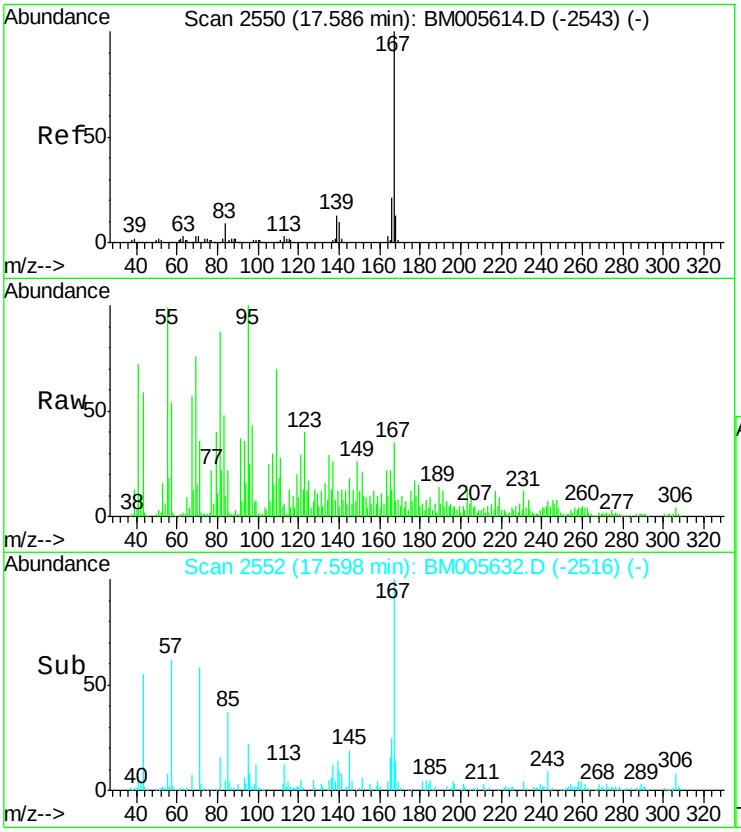


#71
Anthracene
Concen: 27.46 ng/ul
RT: 17.24 min Scan# 2491
Delta R.T. -0.08 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Tgt Ion:178 Resp: 1100560

Ion	Ratio	Lower	Upper
178	100		
179	17.1	12.6	18.8
176	20.2	15.0	22.4



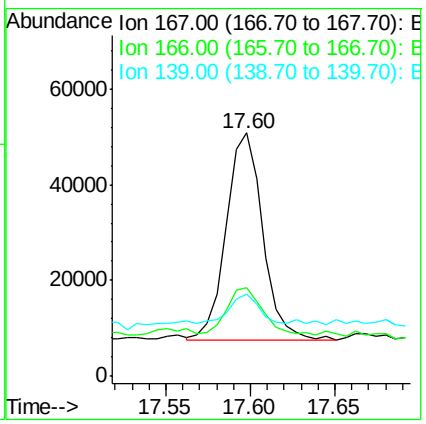


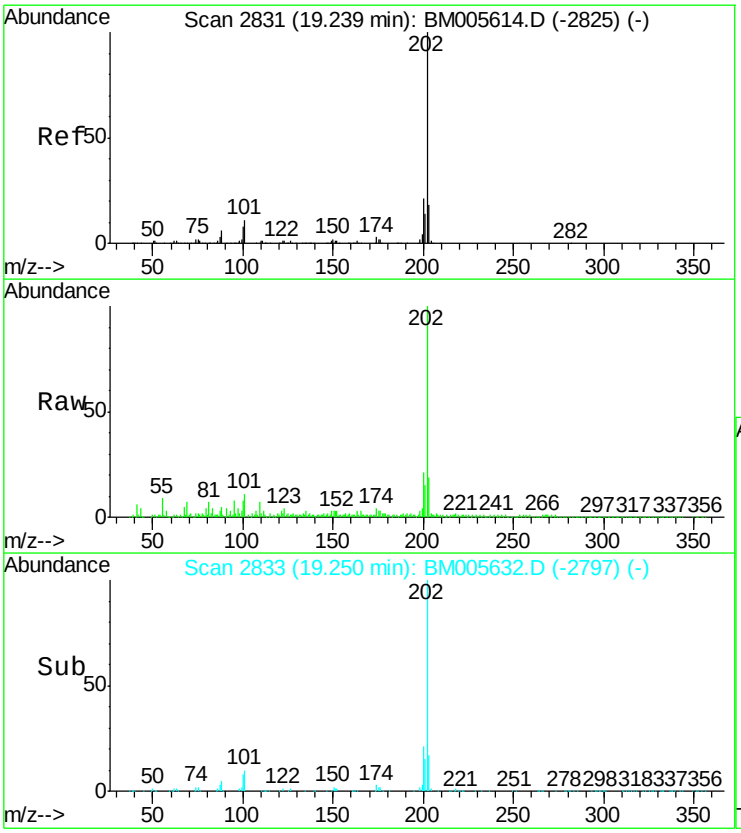
#72
Carbazole
Concen: 1.89 ng/ul
RT: 17.60 min Scan# 2552
Delta R.T. 0.01 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Instrument :
BNA_M
ClientSampleId :
JHGF3RE

Tgt Ion:167 Resp: 65678

Ion	Ratio	Lower	Upper
167	100		
166	36.6	16.9	25.3#
139	33.6	10.6	16.0#

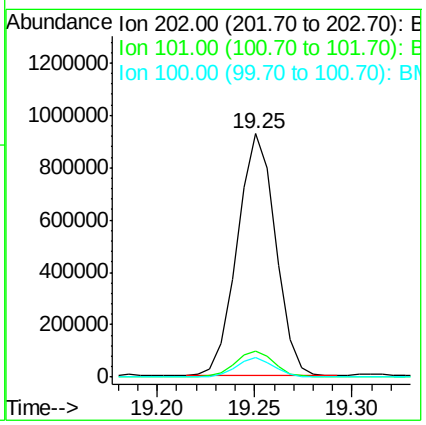


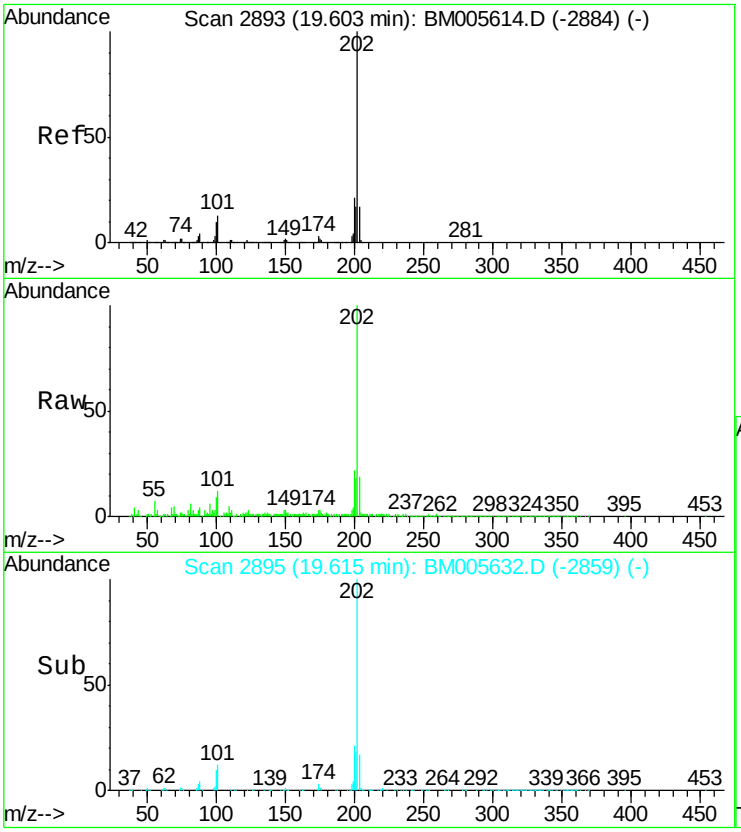


#74
Fluoranthene
Concen: 28.23 ng/ul
RT: 19.25 min Scan# 2833
Delta R.T. 0.01 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Tgt Ion:202 Resp: 1249438

Ion	Ratio	Lower	Upper
202	100		
101	10.6	7.9	11.9
100	7.9	5.6	8.4



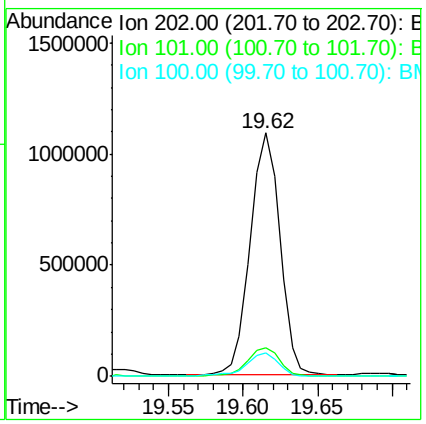


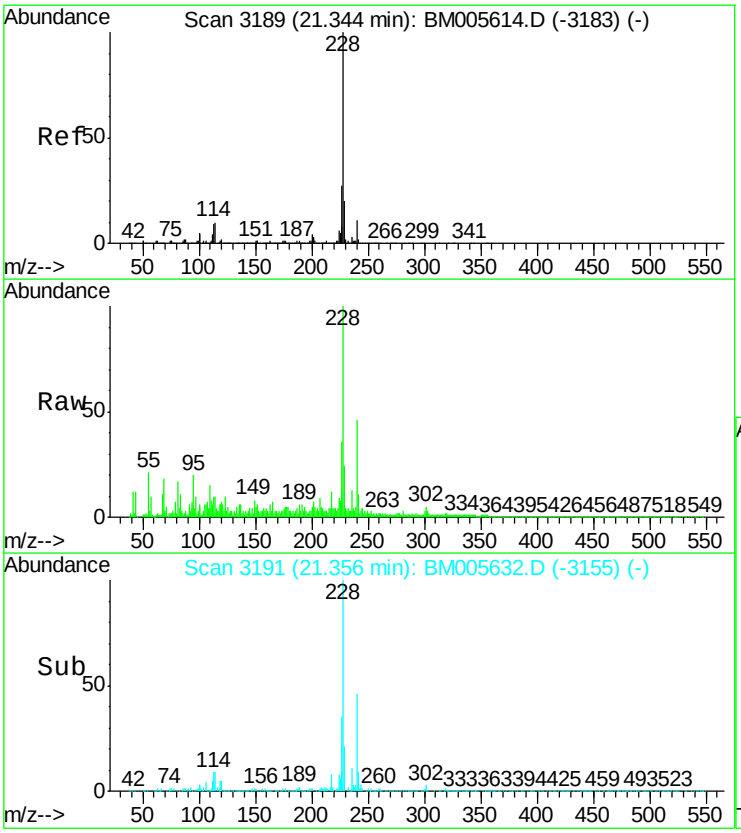
#77
Pyrene
Concen: 35.81 ng/ul
RT: 19.62 min Scan# 2895
Delta R.T. 0.01 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Instrument :
BNA_M
ClientSampleId :
JHGF3RE

Tgt Ion:202 Resp: 1495856

Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.6	14.4
100	9.5	7.8	11.6

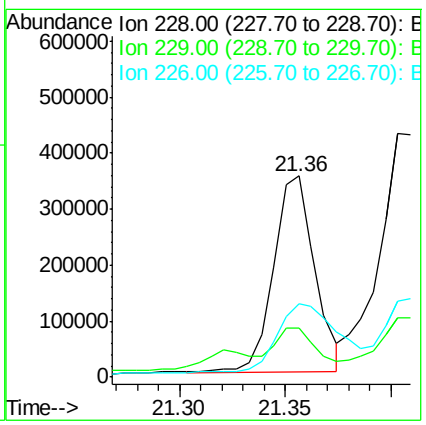


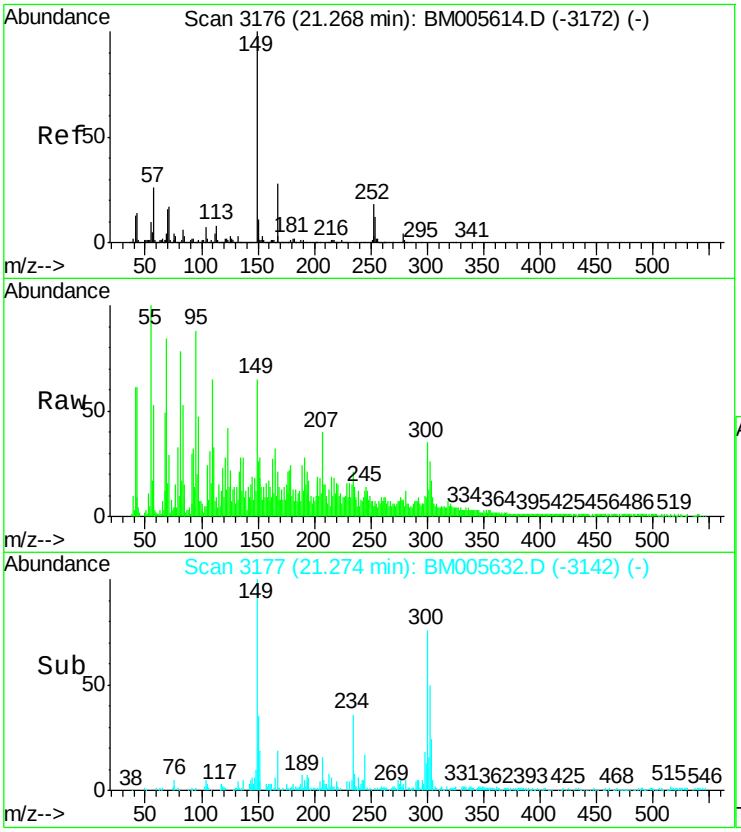


#80
Benzo(a)anthracene
Concen: 11.20 ng/ul
RT: 21.36 min Scan# 3191
Delta R.T. 0.01 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Tgt Ion:228 Resp: 478349

Ion	Ratio	Lower	Upper
228	100		
229	24.1	15.4	23.2#
226	36.2	21.0	31.4#



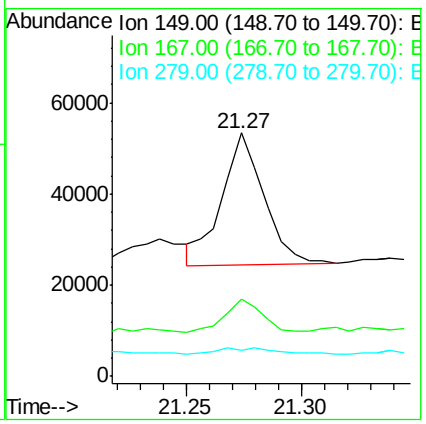


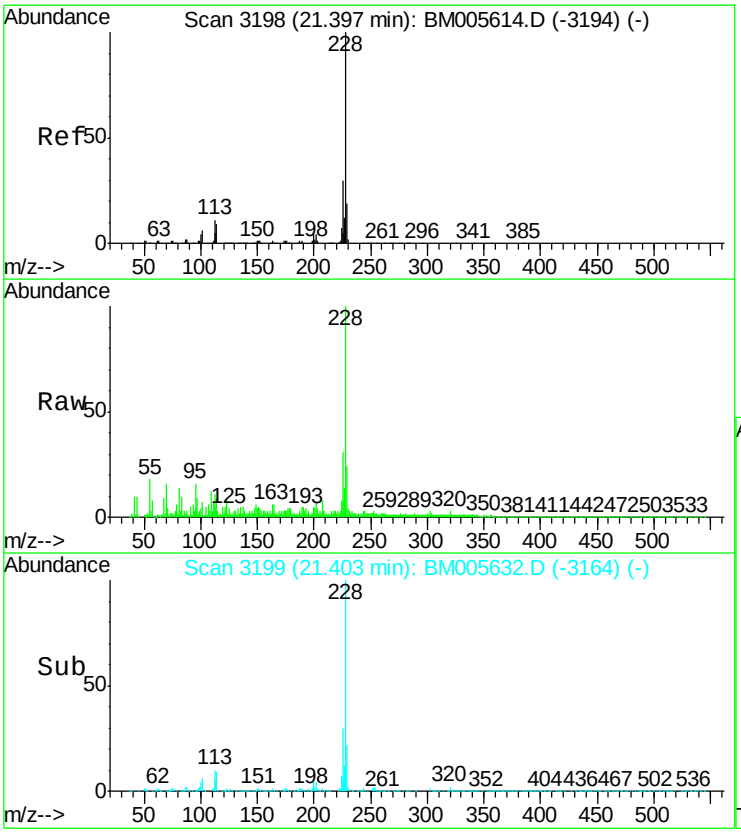
#81
Bis(2-ethylhexyl)phthalate
Concen: 1.48 ng/ul
RT: 21.27 min Scan# 3177
Delta R.T. 0.01 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Instrument :
BNA_M
ClientSampleId :
JHGF3RE

Tgt Ion:149 Resp: 36813

Ion	Ratio	Lower	Upper
149	100		
167	31.5	22.0	33.0
279	10.8	3.8	5.8#

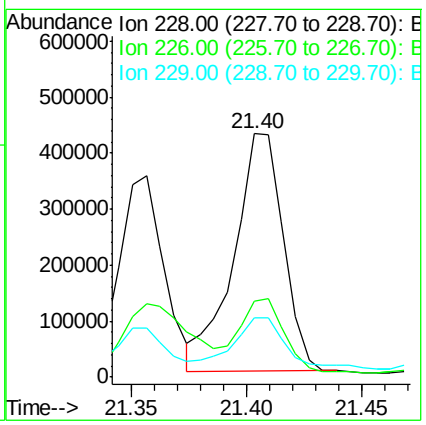


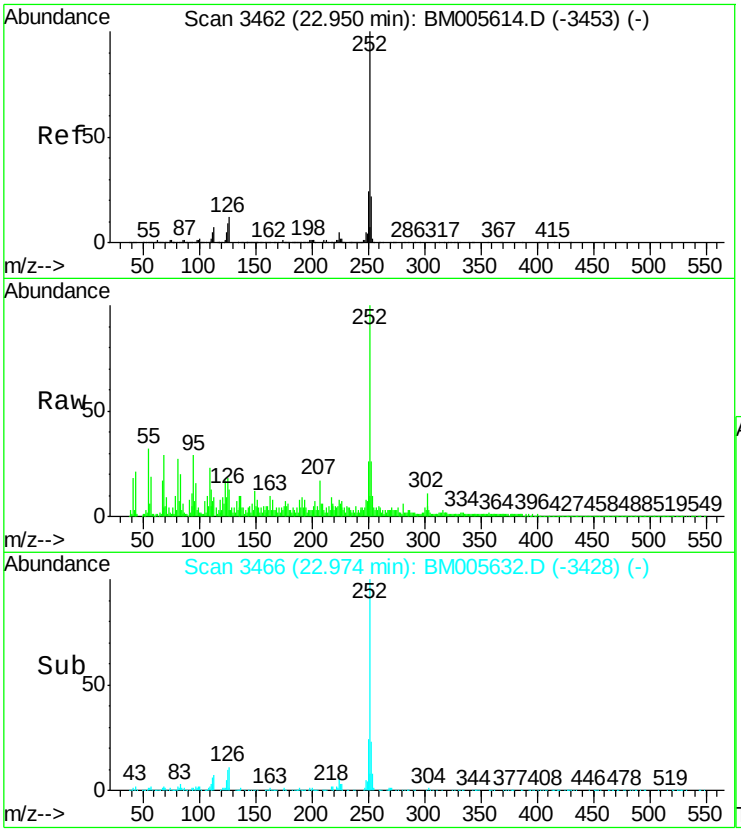


#82
Chrysene
Concen: 15.69 ng/ul
RT: 21.40 min Scan# 3199
Delta R.T. 0.01 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Tgt Ion:228 Resp: 637583

Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.7	35.5
229	24.1	15.5	23.3#



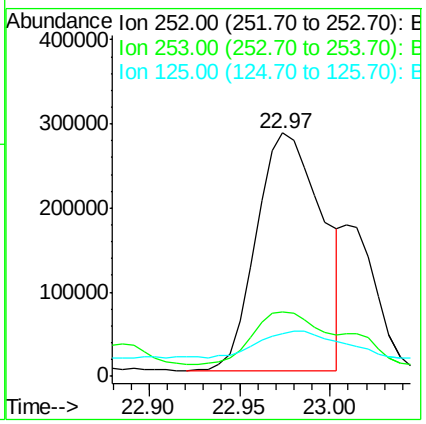


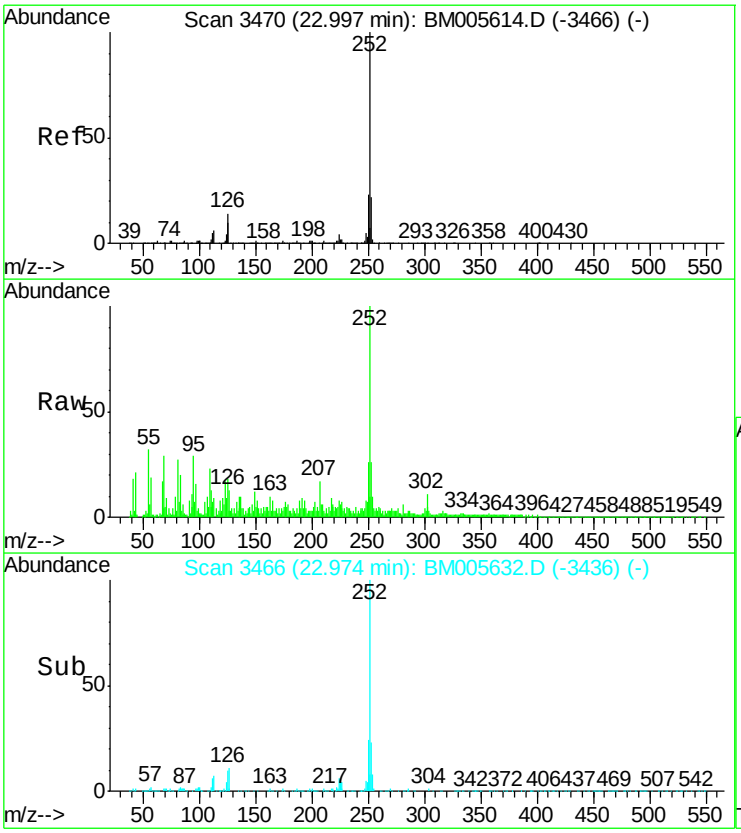
#85
Benzo(b)fluoranthene
Concen: 16.31 ng/ul
RT: 22.97 min Scan# 3466
Delta R.T. 0.02 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Instrument :
BNA_M
ClientSampleId :
JHGF3RE

Tgt Ion:252 Resp: 713638

Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.3	25.9#
125	17.7	7.0	10.4#

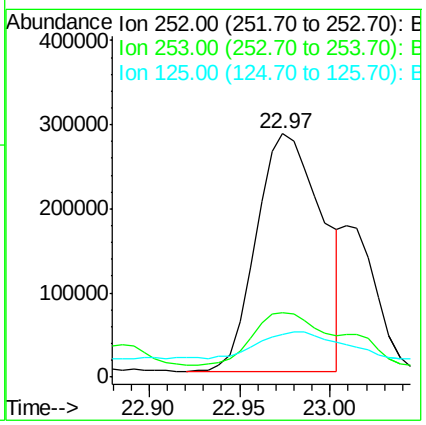


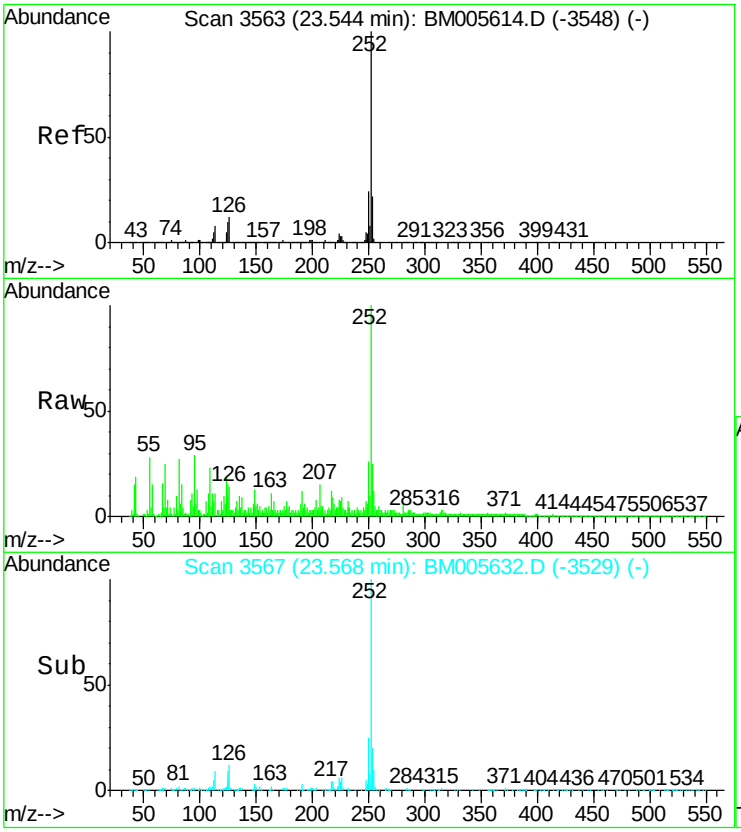


#86
Benzo(k)fluoranthene
Concen: 17.23 ng/ul
RT: 22.97 min Scan# 3466
Delta R.T. -0.02 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Tgt Ion:252 Resp: 713638

Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.5	26.3#
125	17.7	7.0	10.6#



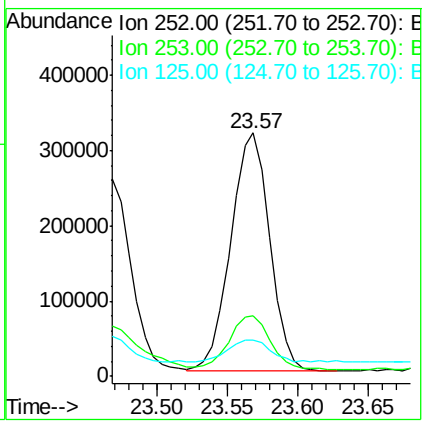


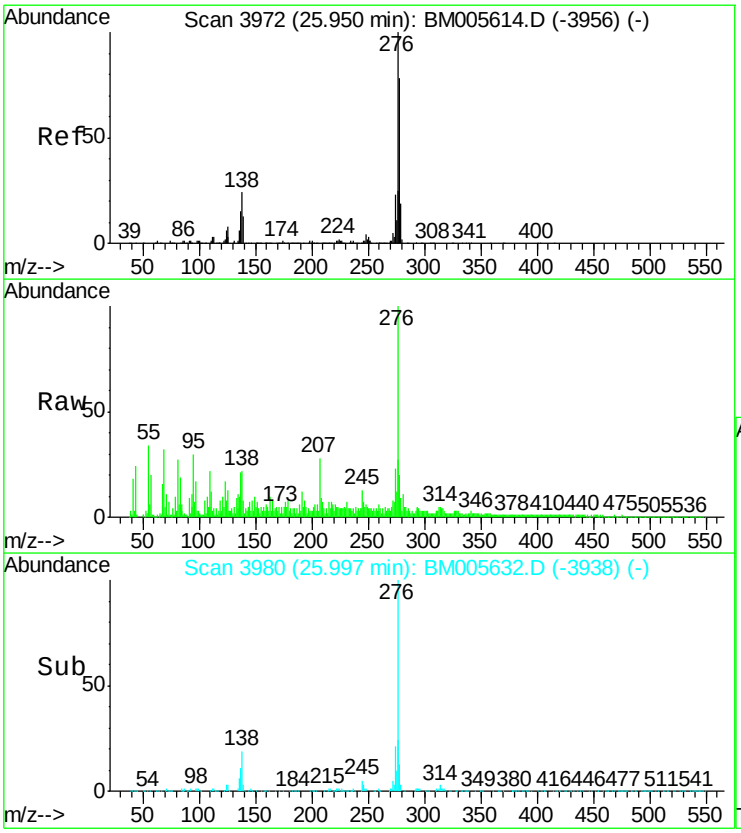
#88
Benzo(a)pyrene
Concen: 14.38 ng/ul
RT: 23.57 min Scan# 3567
Delta R.T. 0.02 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Instrument :
BNA_M
ClientSampleId :
JHGF3RE

Tgt Ion:252 Resp: 610328

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.6	26.4
125	14.8	7.6	11.4#

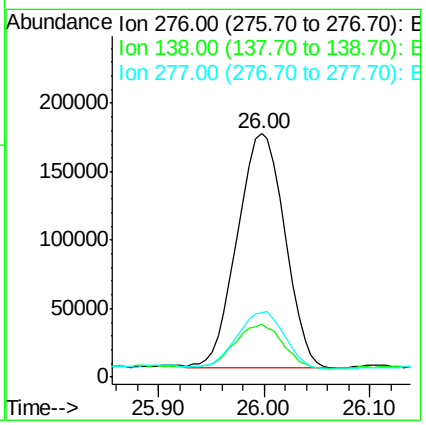


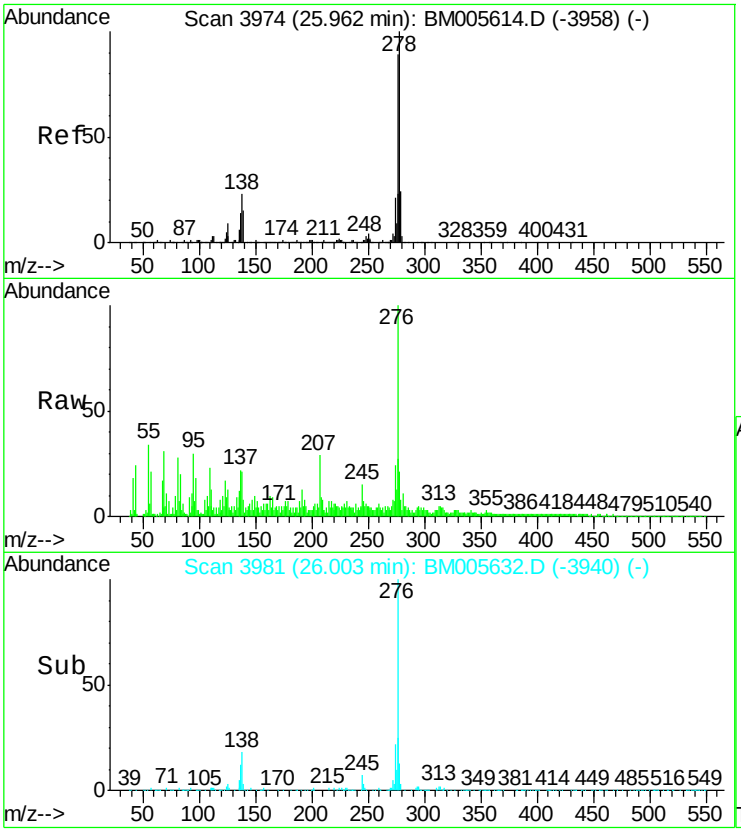


#89
Indeno(1,2,3-cd)pyrene
Concen: 10.63 ng/ul
RT: 26.00 min Scan# 3980
Delta R.T. 0.05 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Tgt Ion:276 Resp: 535847

Ion	Ratio	Lower	Upper
276	100		
138	21.7	16.9	25.3
277	26.6	20.2	30.4



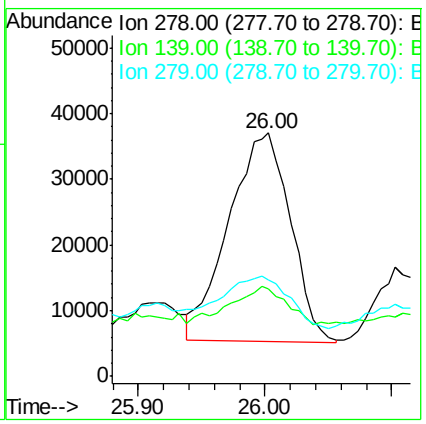


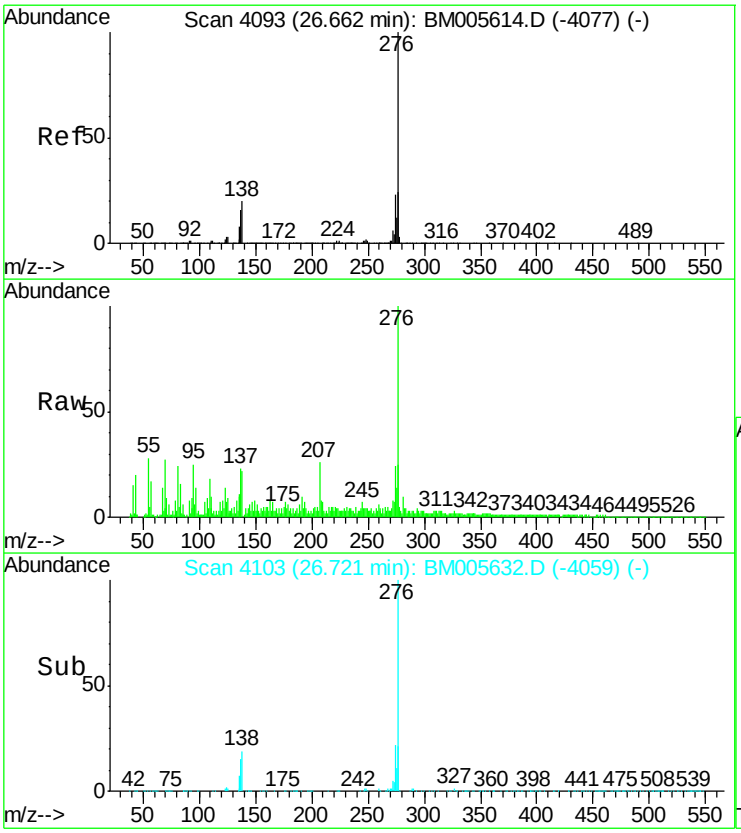
#90
Dibenzo(a,h)anthracene
Concen: 2.55 ng/ul
RT: 26.00 min Scan# 3981
Delta R.T. 0.04 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Instrument :
BNA_M
ClientSampleId :
JHGF3RE

Tgt Ion:278 Resp: 107027

Ion	Ratio	Lower	Upper
278	100		
139	35.7	11.8	17.6#
279	39.5	19.4	29.2#





#91
Benzo(g,h,i)perylene
Concen: 13.90 ng/ul
RT: 26.72 min Scan# 4103
Delta R.T. 0.06 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Tgt Ion:276 Resp: 589022

Ion	Ratio	Lower	Upper
276	100		
138	21.8	15.0	22.6
277	25.4	18.6	28.0