Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004197.D
Acq On : 08 Feb 2016 13:23
Operator : SJ/IZ
Sample : H1340-11 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K1

Manual Integrations APPROVED
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2/9/2016 3:29:45 PM

Quant Time: Feb 09 00:20:08 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 09 00:07:17 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	19509	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	98391	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	63351	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	160304	20.00	ng/ul	0.00
78) Chrysene-d12	21.28	240	204520	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	217636	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.84	99	6456	3.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	3829	3.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	5775	3.90	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	4811	2.95	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	2235	3.06	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	2310	2.85	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	5322	3.54	ng/ul	0.01
29) 4-Chloroaniline-d4	10.59	131	6205	3.24	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	21781	4.00	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	25765	4.06	ng/ul	0.00
52) 4-Nitrophenol-d4	14.56	143	816	0.75	ng/ul	0.02
58) Fluorene-d10	15.31	176	22495	4.81	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.46	200	1296	1.31	ng/ul	0.00
71) Anthracene-d10	17.16	188	36883	4.73	ng/ul	0.00
79) Pyrene-d10	19.47	212	46951	5.12	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	57234	5.04	ng/ul	0.00
Target Compounds						Qvalue
45) Dimethylphthalate	13.77	163	12879	2.24	ng/ul	98
50) Acenaphthene	14.38	153	23493	4.95	ng/ul	96
54) Dibenzofuran	14.72	168	8868	1.31	ng/ul	98
59) Fluorene	15.37	166	15968	2.84	ng/ul	99
70) Phenanthrene	17.11	178	246940	25.24	ng/ul	100
72) Anthracene	17.20	178	65061	6.56	ng/ul	100
75) Carbazole	17.47	167	31734	3.52	ng/ul	99
77) Fluoranthene	19.14	202	541862	47.59	ng/ul	99
80) Pyrene	19.50	202	468282	37.24	ng/ul	100
83) Benzo(a)anthracene	21.26	228	305830	23.49	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.19	149	1137703	141.18	ng/ul#	98
85) Chrysene	21.32	228	307478	24.84	ng/ul	97
88) Benzo(b)fluoranthene	22.84	252	432028	31.10	ng/ul	99
89) Benzo(k)fluoranthene	22.88	252	124907m	9.65	ng/ul	
91) Benzo(a)pyrene	23.41	252	273590	20.39	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.76	276	173231	10.81	ng/ul	95
93) Dibenzo(a,h)anthracene	25.76	278	47070m	3.52	ng/ul	
94) Benzo(g,h,i)perylene	26.44	276	129079	9.45	ng/ul	99

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

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C04K1

Manual Integrations APPROVED
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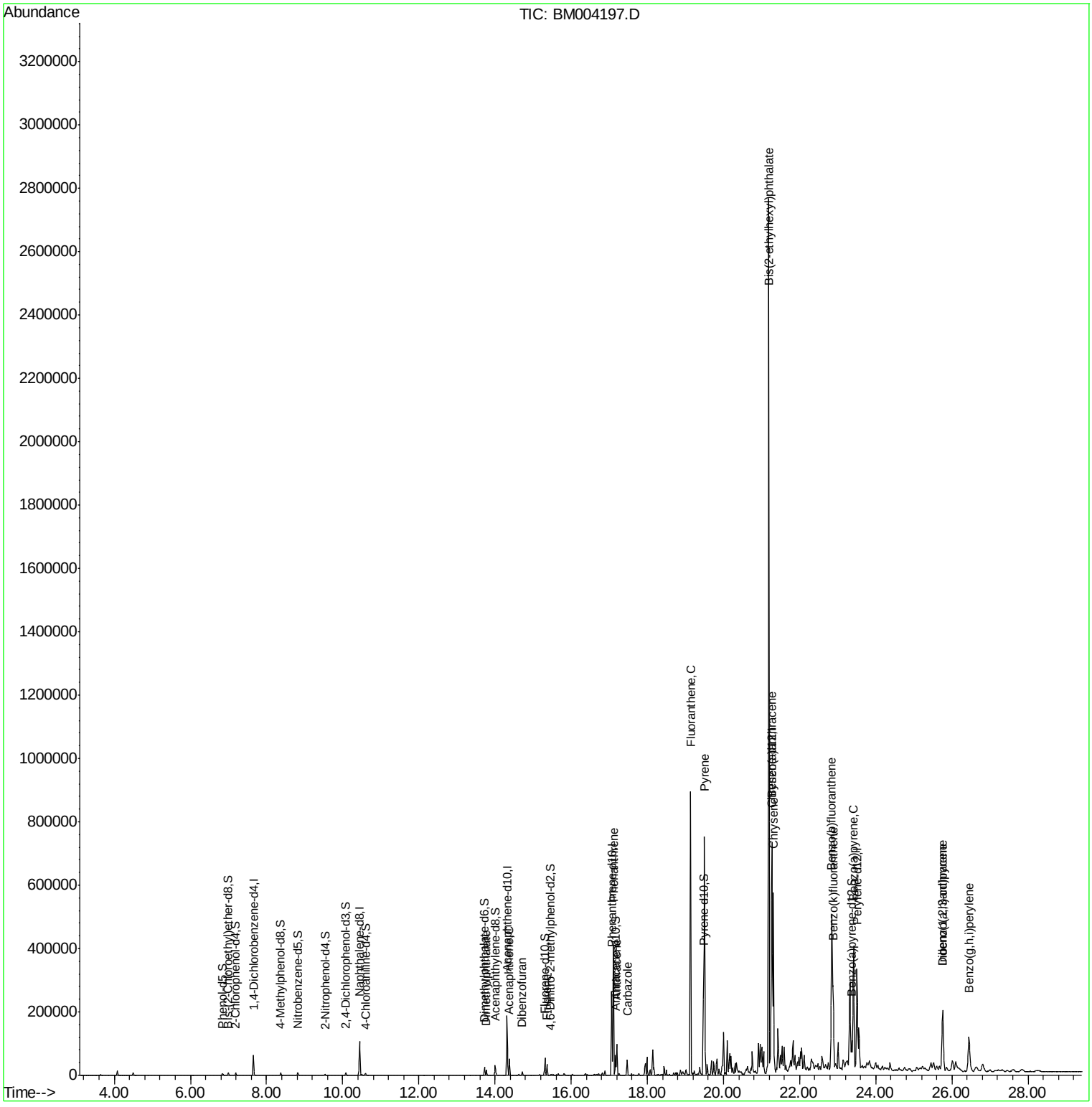
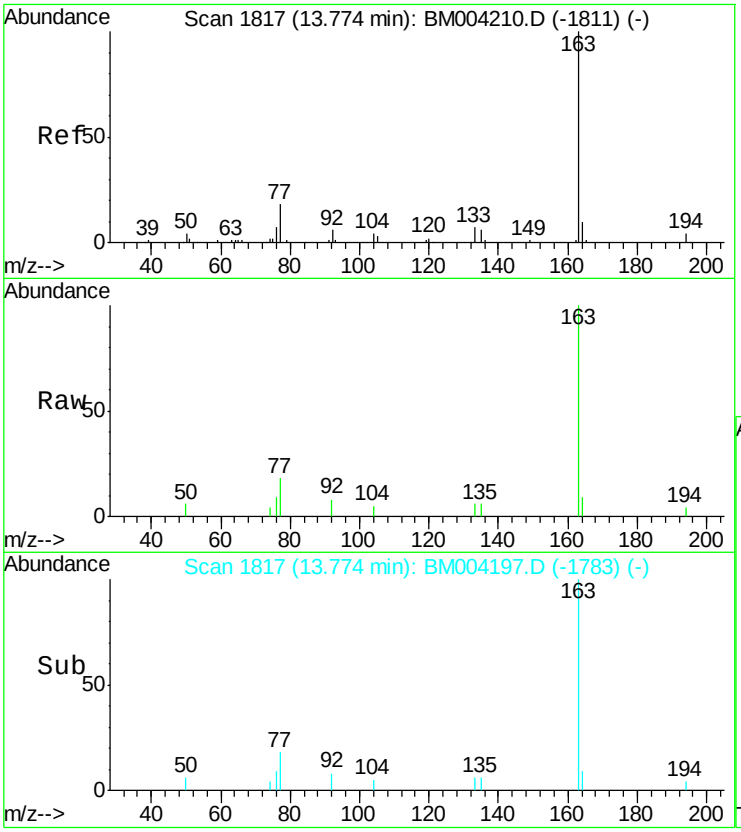
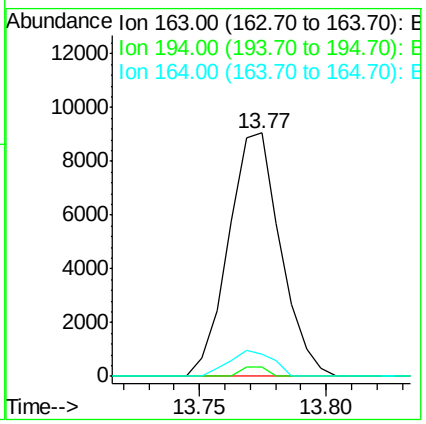




#45
Dimethylphthalate
Concen: 2.24 ng/ul
RT: 13.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BM004197.D
Acq: 08 Feb 2016 13:23

Tgt Ion:163 Resp: 12879

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.2	4.8
164	9.2	7.8	11.8



Instrument :
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ClientSampleId :
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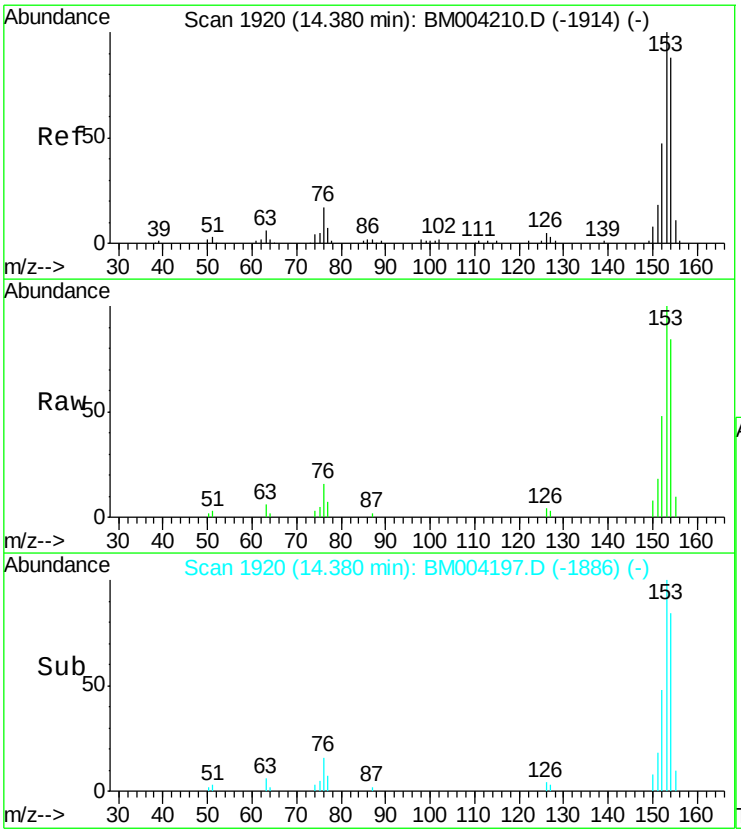
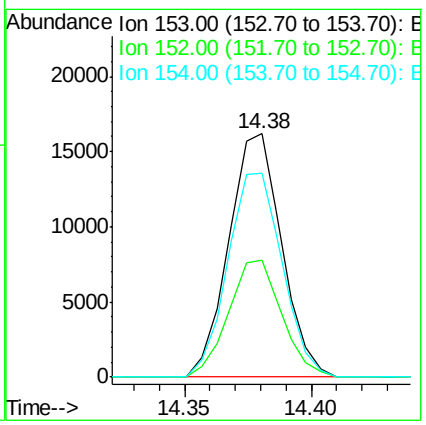
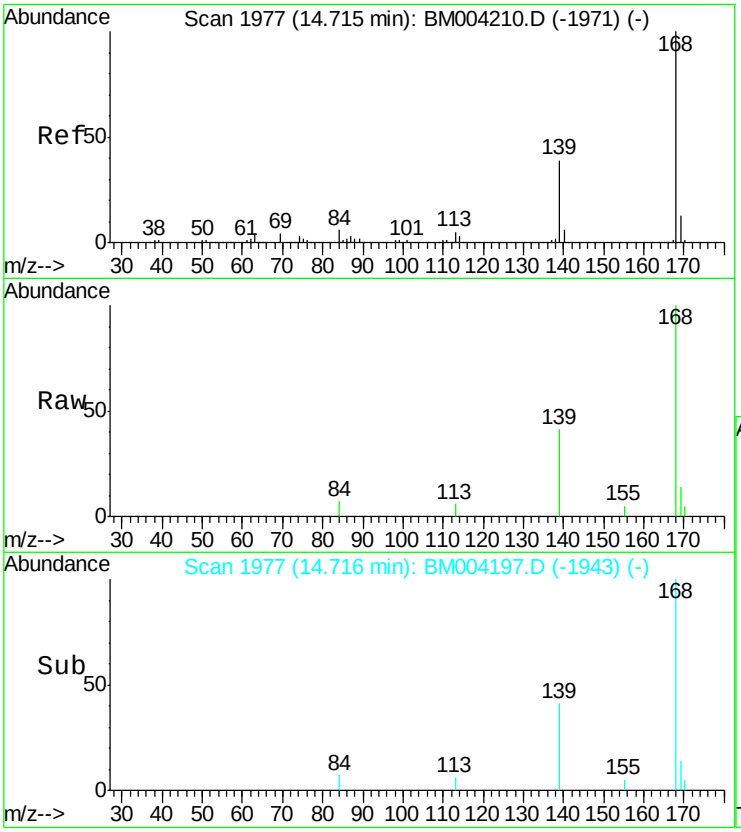


#50
Acenaphthene
Concen: 4.95 ng/ul
RT: 14.38 min Scan# 1920
Delta R.T. 0.00 min
Lab File: BM004197.D
Acq: 08 Feb 2016 13:23

Tgt Ion:153 Resp: 23493

Ion	Ratio	Lower	Upper
153	100		
152	47.9	38.3	57.5
154	83.8	71.8	107.8





#54
Dibenzofuran
Concen: 1.31 ng/ul
RT: 14.72 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BM004197.D
Acq: 08 Feb 2016 13:23

Tgt Ion:168 Resp: 8868

Ion	Ratio	Lower	Upper
168	100		
139	41.4	32.2	48.2

Instrument :
BNA_M
ClientSampleId :
C04K1

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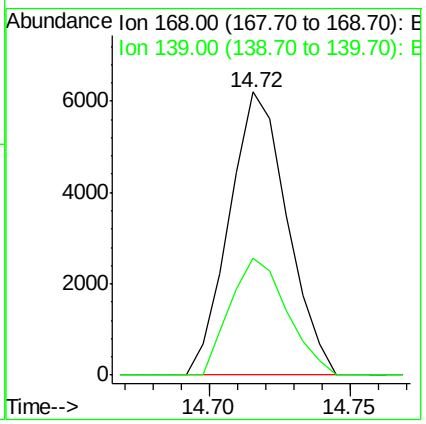
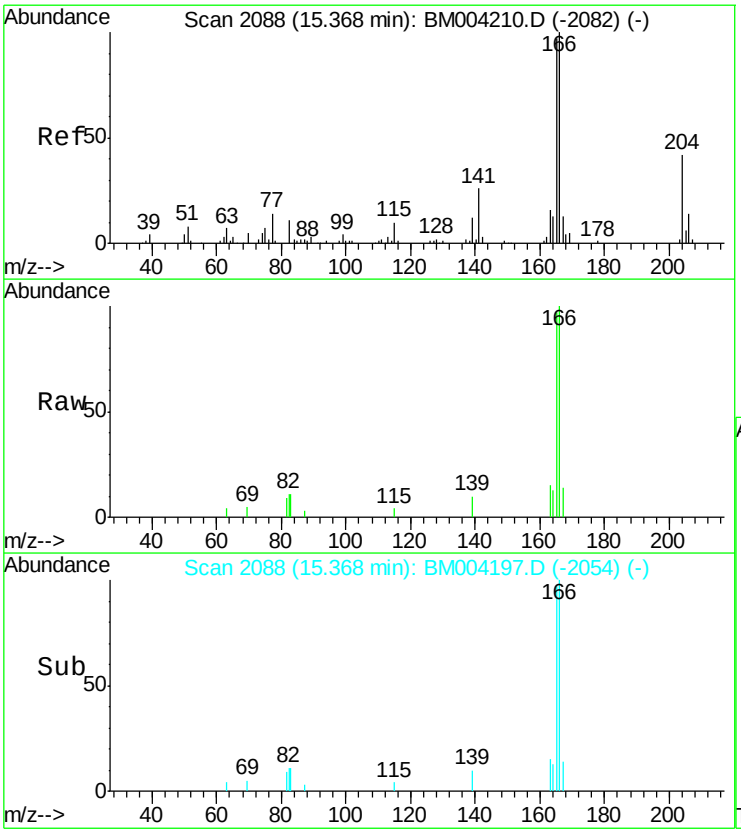
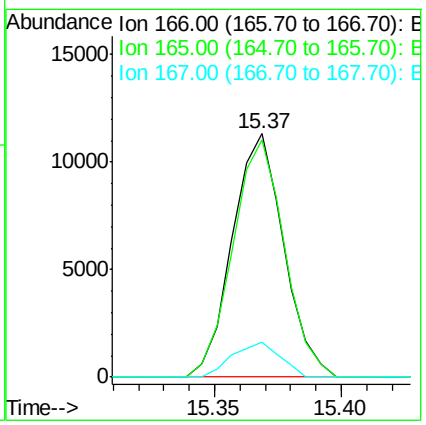


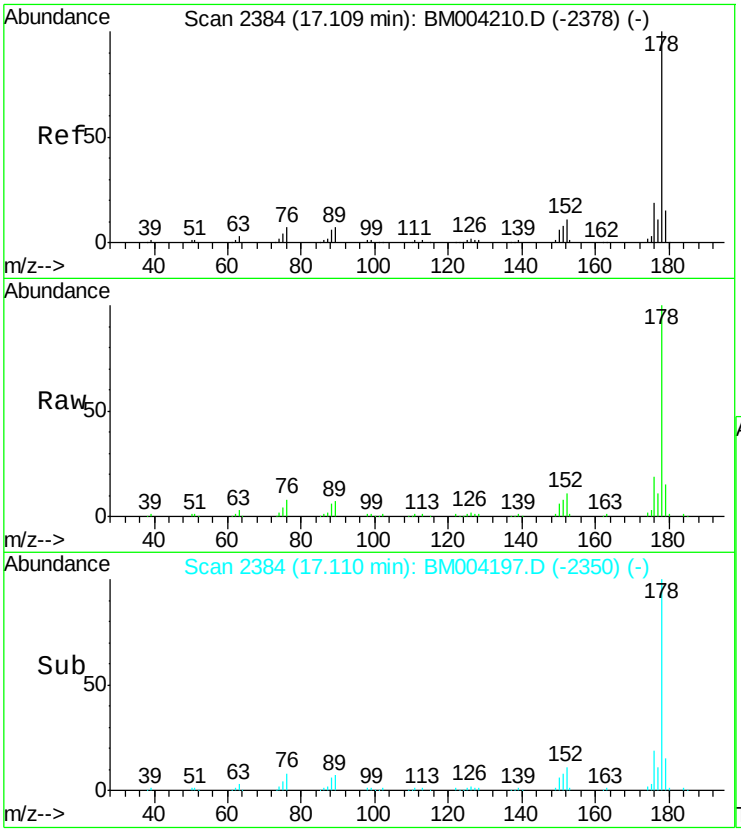


#59
Fluorene
Concen: 2.84 ng/ul
RT: 15.37 min Scan# 2088
Delta R.T. 0.00 min
Lab File: BM004197.D
Acq: 08 Feb 2016 13:23

Tgt Ion:166 Resp: 15968

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.5	117.7
167	14.2	10.7	16.1

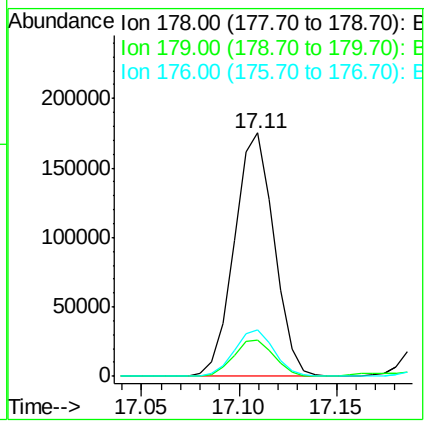




#70
Phenanthrene
Concen: 25.24 ng/ul
RT: 17.11 min Scan# 2384
Delta R.T. 0.00 min
Lab File: BM004197.D
Acq: 08 Feb 2016 13:23

Tgt Ion:178 Resp: 246940

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.4
176	19.3	15.6	23.4



Instrument :
BNA_M
ClientSampleId :
C04K1

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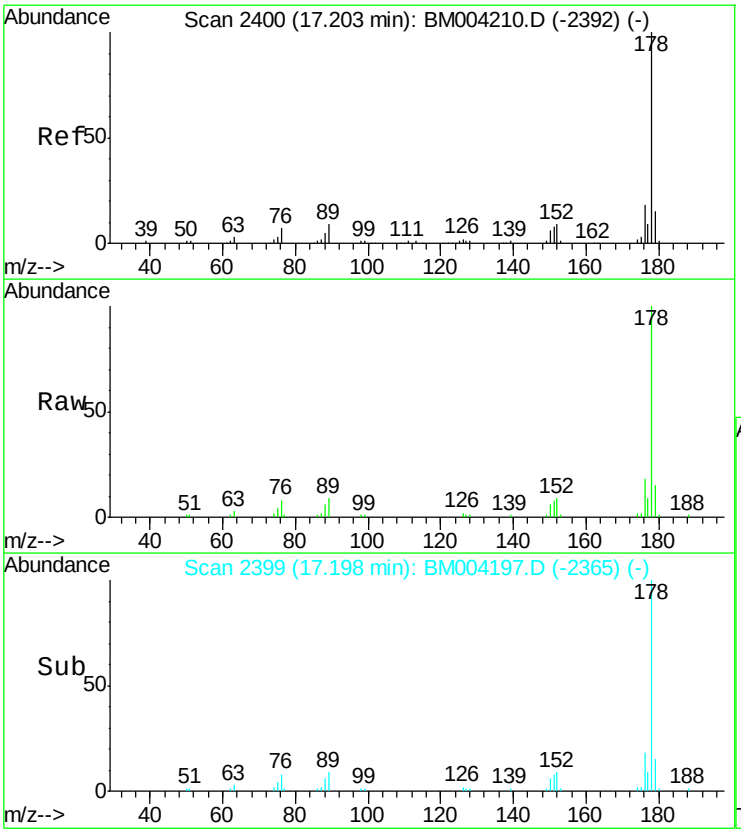
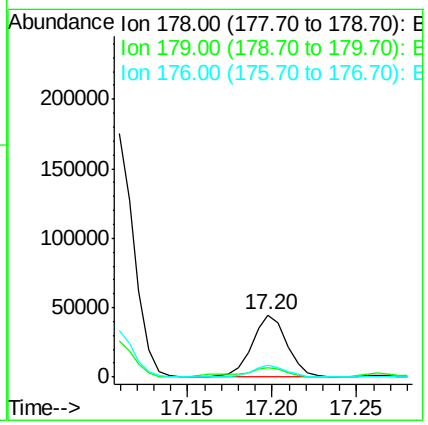
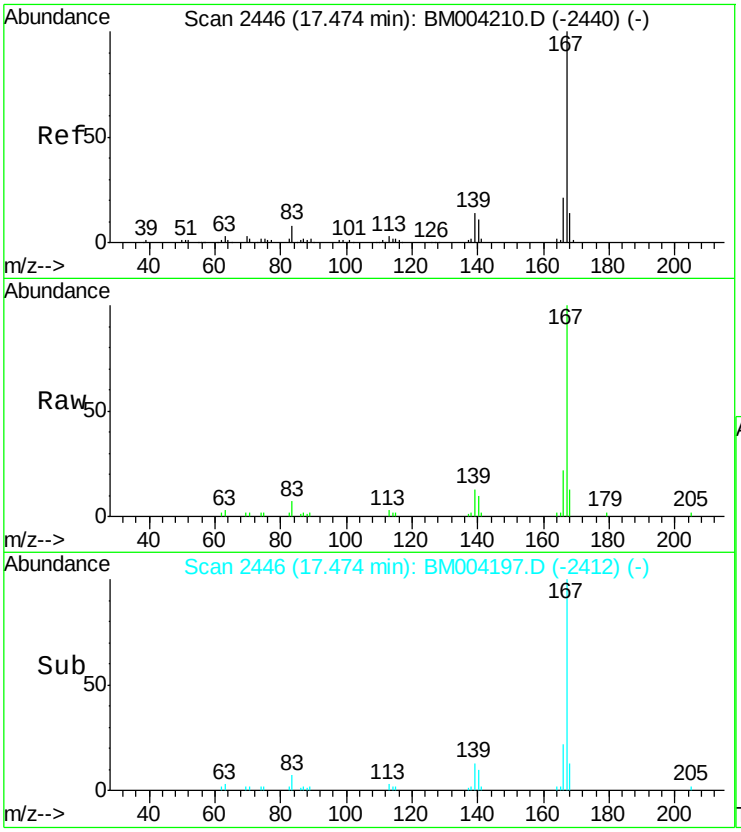


#72
Anthracene
Concen: 6.56 ng/ul
RT: 17.20 min Scan# 2399
Delta R.T. 0.00 min
Lab File: BM004197.D
Acq: 08 Feb 2016 13:23

Tgt Ion:178 Resp: 65061

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.1	18.1
176	18.4	14.8	22.2

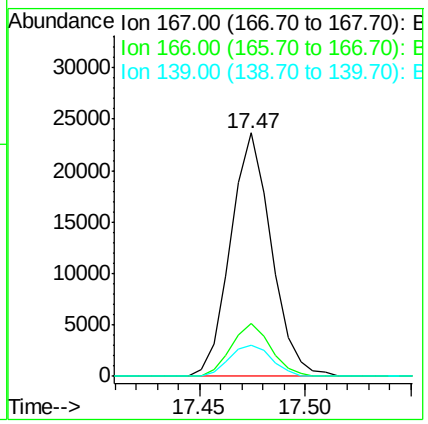




#75
Carbazole
Concen: 3.52 ng/ul
RT: 17.47 min Scan# 2446
Delta R.T. 0.00 min
Lab File: BM004197.D
Acq: 08 Feb 2016 13:23

Tgt Ion:167 Resp: 31734

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.6
139	13.0	11.0	16.4



Instrument :
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ClientSampleId :
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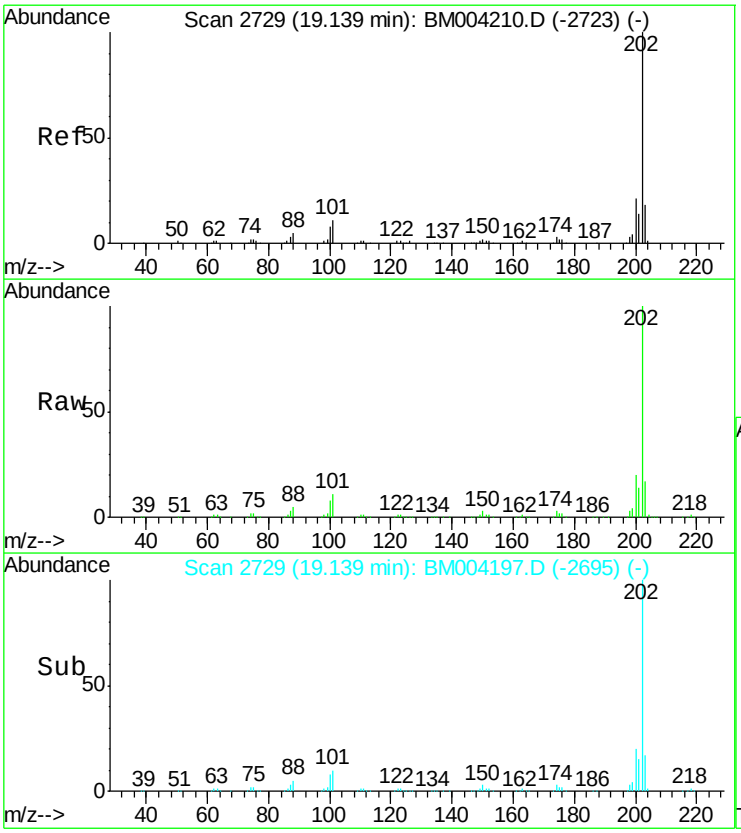
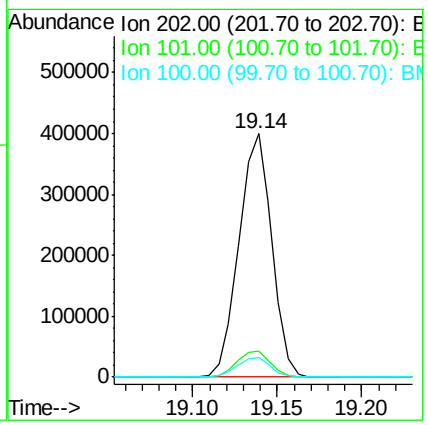
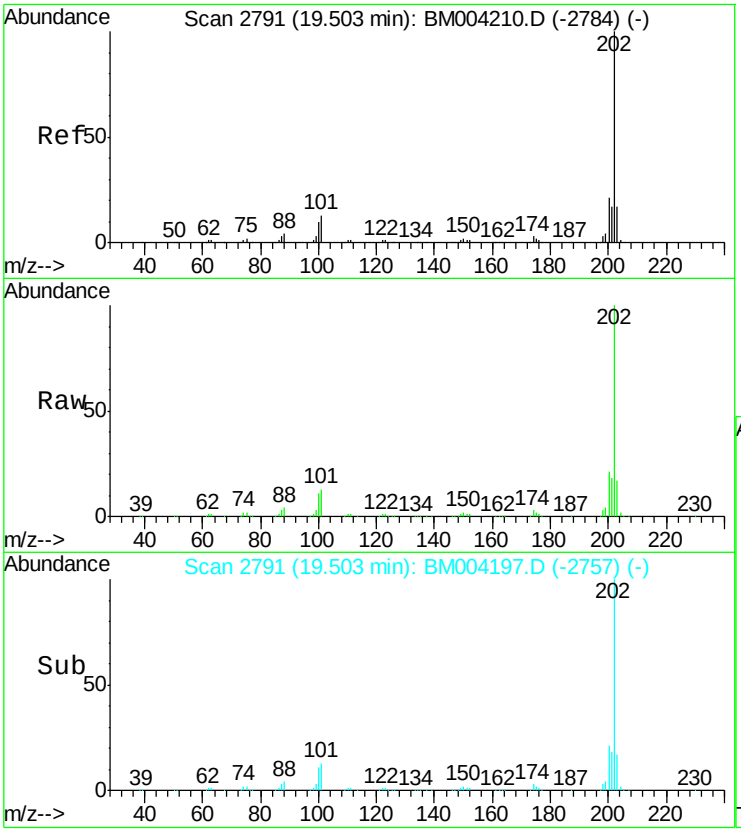


#77
Fluoranthene
Concen: 47.59 ng/ul
RT: 19.14 min Scan# 2729
Delta R.T. 0.00 min
Lab File: BM004197.D
Acq: 08 Feb 2016 13:23

Tgt Ion:202 Resp: 541862

Ion	Ratio	Lower	Upper
202	100		
101	10.6	8.8	13.2
100	8.0	6.6	9.8

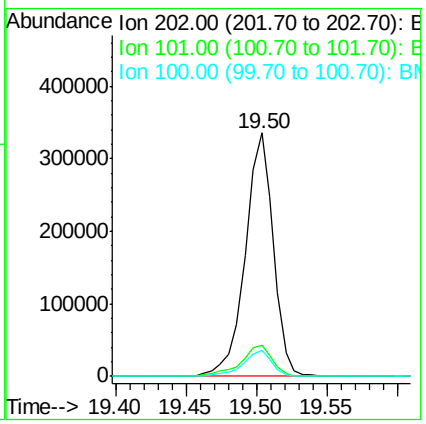




#80
Pyrene
Concen: 37.24 ng/ul
RT: 19.50 min Scan# 2791
Delta R.T. 0.00 min
Lab File: BM004197.D
Acq: 08 Feb 2016 13:23

Tgt Ion:202 Resp: 468282

Ion	Ratio	Lower	Upper
202	100		
101	12.7	10.2	15.2
100	10.5	8.5	12.7



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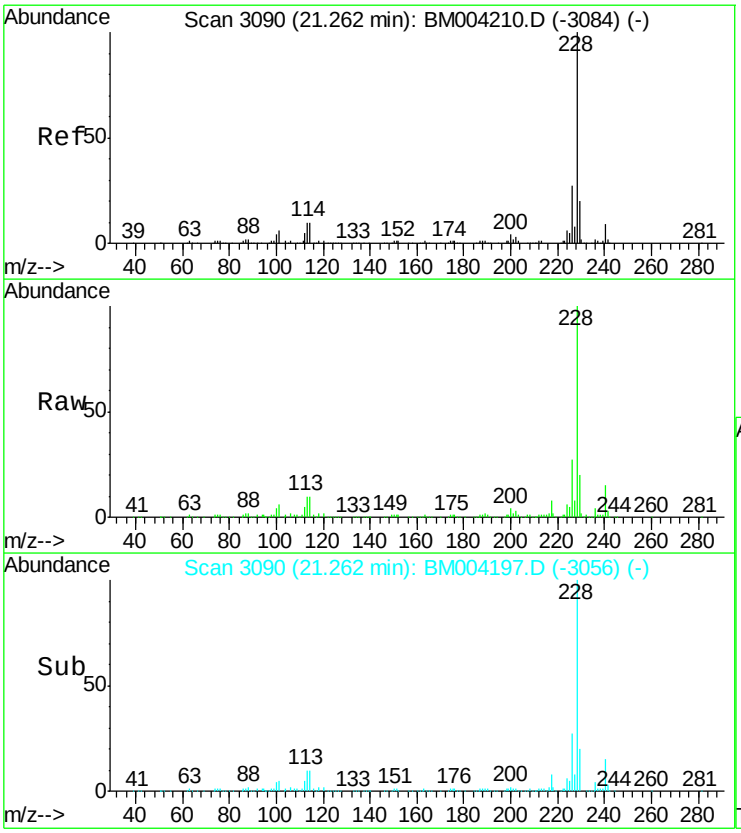
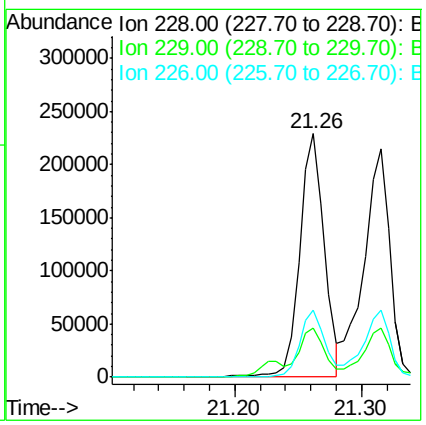
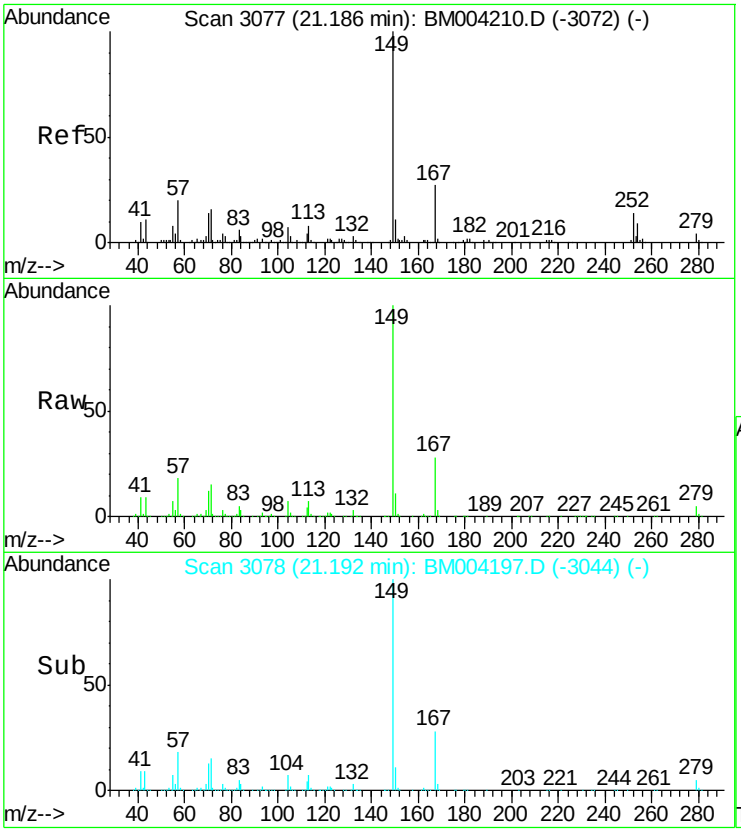


#83
Benzo(a)anthracene
Concen: 23.49 ng/ul
RT: 21.26 min Scan# 3090
Delta R.T. 0.00 min
Lab File: BM004197.D
Acq: 08 Feb 2016 13:23

Tgt Ion:228 Resp: 305830

Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.7	23.5
226	27.3	21.8	32.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 141.18 ng/ul
RT: 21.19 min Scan# 3078
Delta R.T. 0.00 min
Lab File: BM004197.D
Acq: 08 Feb 2016 13:23

Tgt Ion:149 Resp: 1137703

Ion	Ratio	Lower	Upper
149	100		
167	28.3	21.6	32.4
279	4.7	3.0	4.4#

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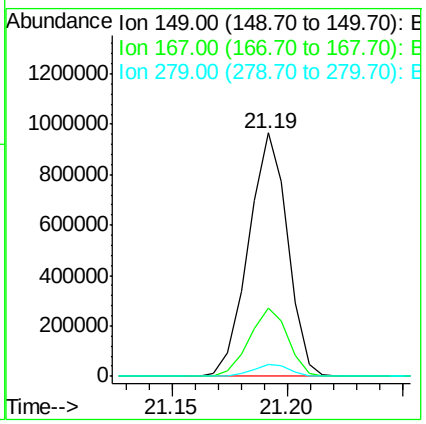
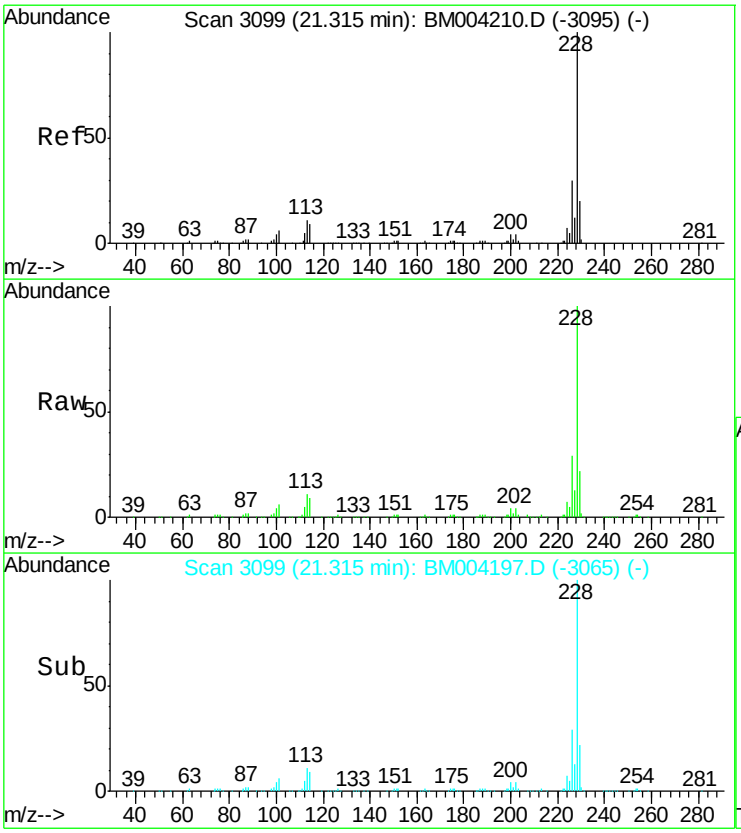
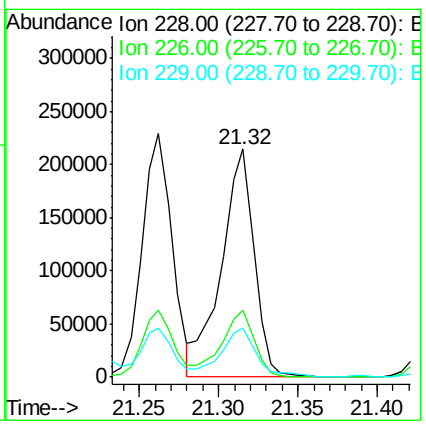


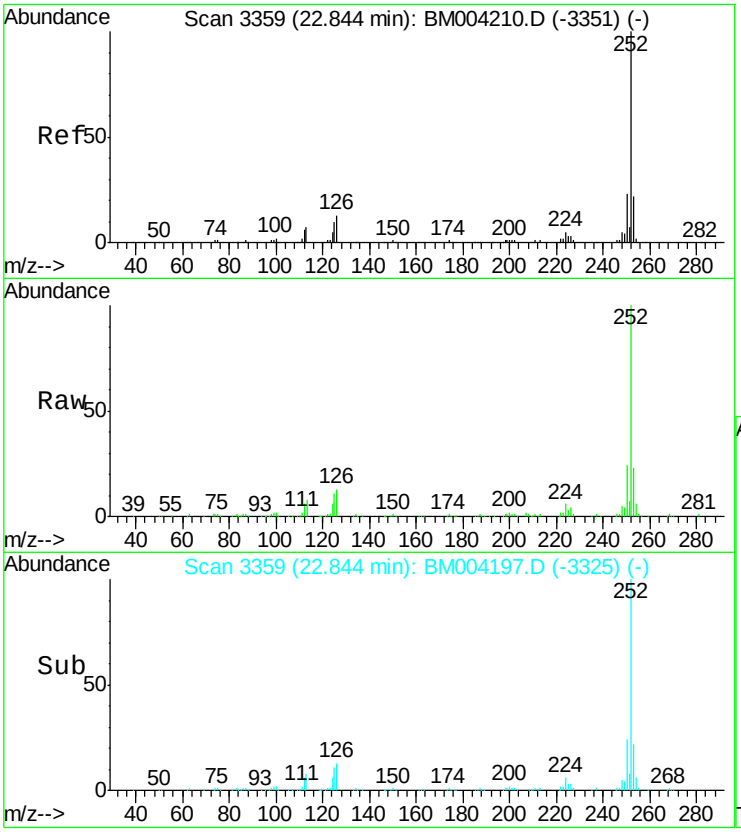


#85
Chrysene
Concen: 24.84 ng/ul
RT: 21.32 min Scan# 3099
Delta R.T. 0.00 min
Lab File: BM004197.D
Acq: 08 Feb 2016 13:23

Tgt Ion:228 Resp: 307478

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.0	36.0
229	21.7	15.6	23.4

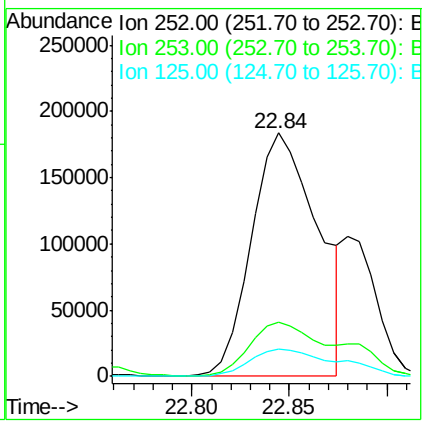




#88
Benzo(b)fluoranthene
Concen: 31.10 ng/ul
RT: 22.84 min Scan# 3359
Delta R.T. 0.00 min
Lab File: BM004197.D
Acq: 08 Feb 2016 13:23

Tgt Ion:252 Resp: 432028

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	11.2	8.5	12.7



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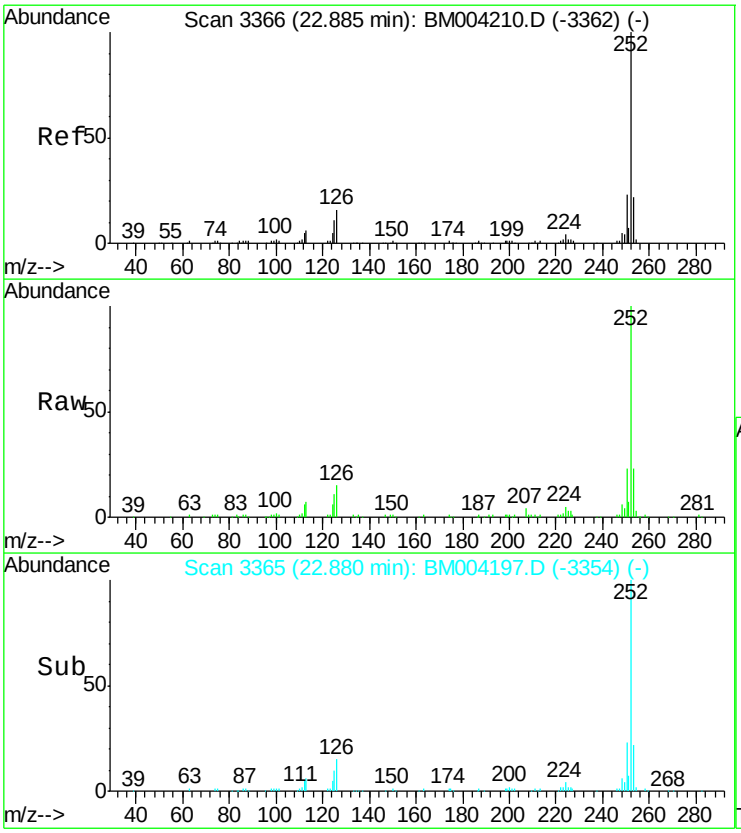
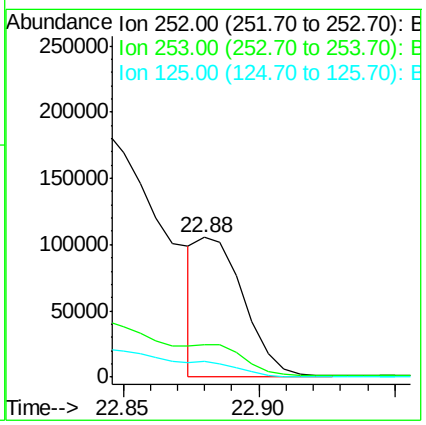
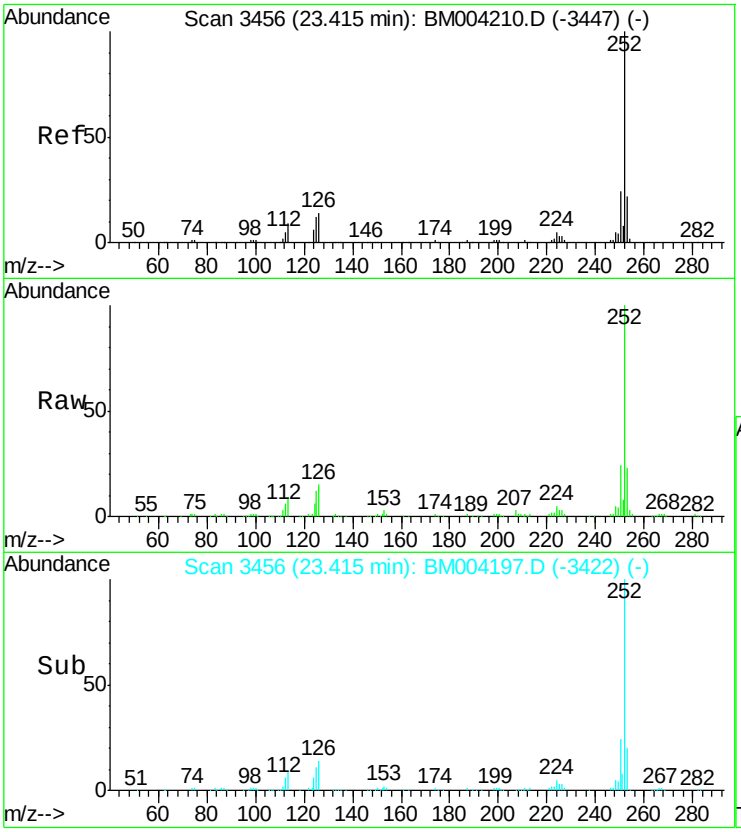


#89
Benzo(k)fluoranthene
Concen: 9.65 ng/ul m
RT: 22.88 min Scan# 3365
Delta R.T. -0.01 min
Lab File: BM004197.D
Acq: 08 Feb 2016 13:23

Tgt Ion:252 Resp: 124907

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.3	25.9
125	11.0	8.2	12.2

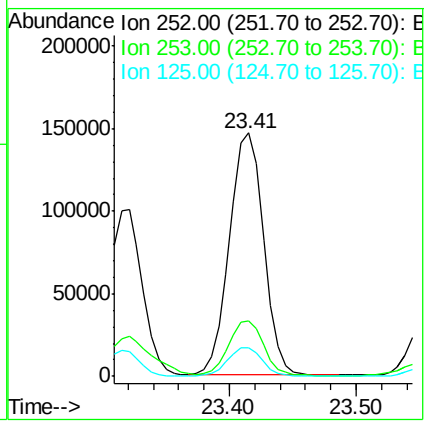




#91
Benzo(a)pyrene
Concen: 20.39 ng/ul
RT: 23.41 min Scan# 3456
Delta R.T. 0.00 min
Lab File: BM004197.D
Acq: 08 Feb 2016 13:23

Tgt Ion:252 Resp: 273590

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.2	25.8
125	11.5	9.0	13.6



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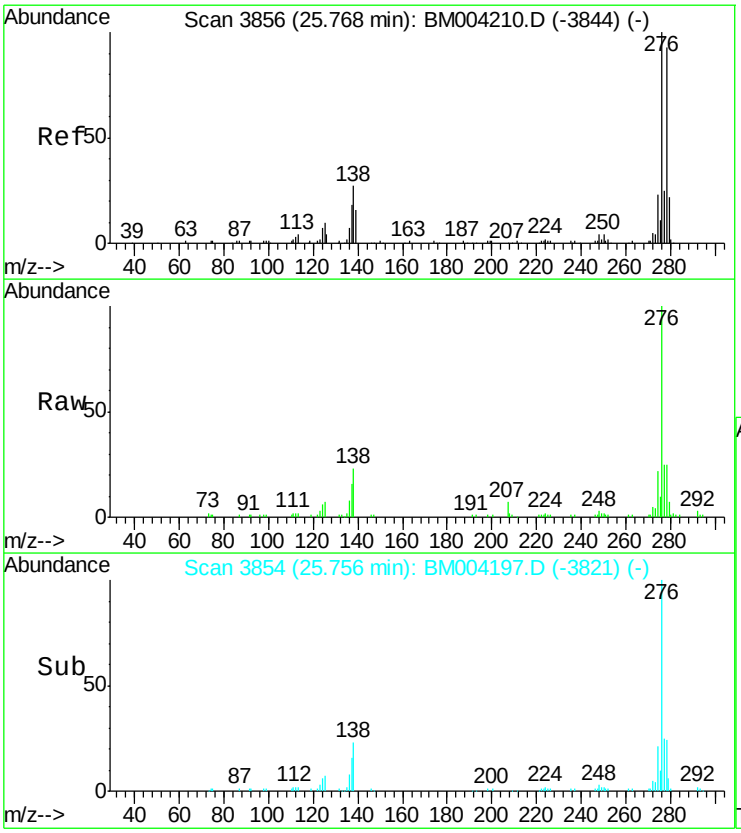
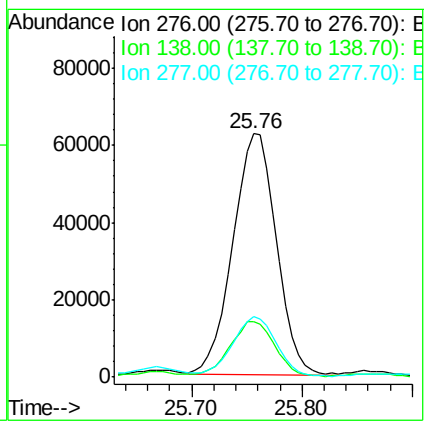
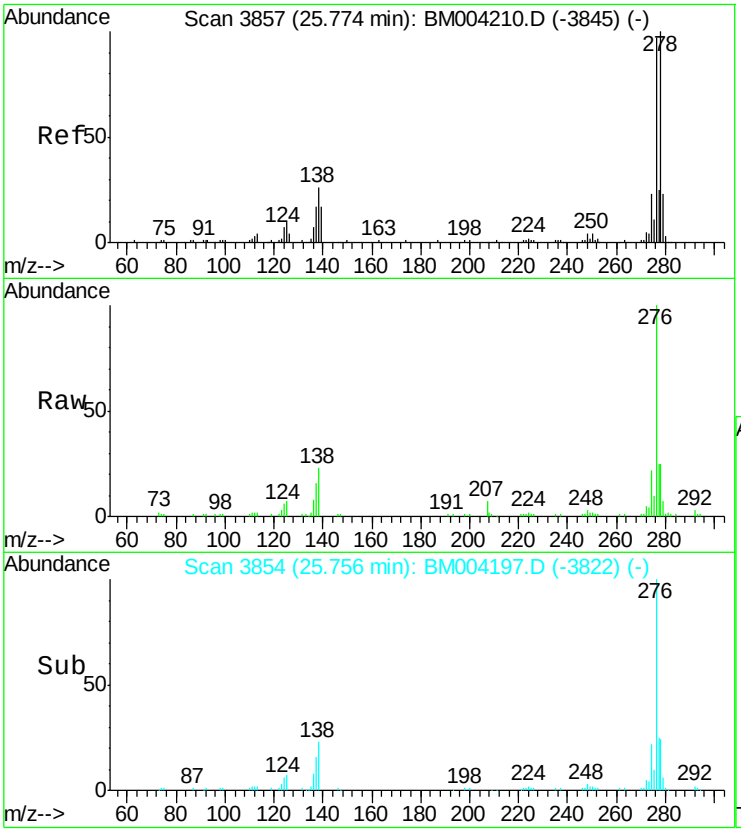


#92
Indeno(1,2,3-cd)pyrene
Concen: 10.81 ng/ul
RT: 25.76 min Scan# 3854
Delta R.T. -0.01 min
Lab File: BM004197.D
Acq: 08 Feb 2016 13:23

Tgt Ion:276 Resp: 173231

Ion	Ratio	Lower	Upper
276	100		
138	22.9	22.3	33.5
277	25.1	20.2	30.2





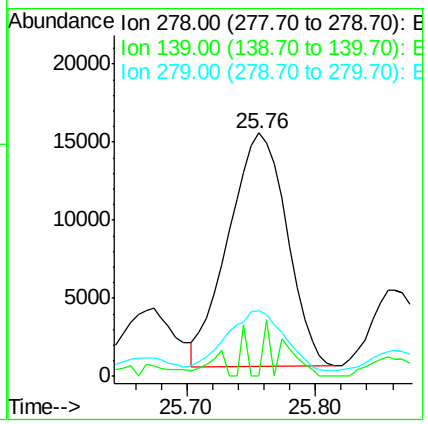
#93
Dibenzo(a,h)anthracene
Concen: 3.52 ng/ul m
RT: 25.76 min Scan# 3854
Delta R.T. -0.01 min
Lab File: BM004197.D
Acq: 08 Feb 2016 13:23

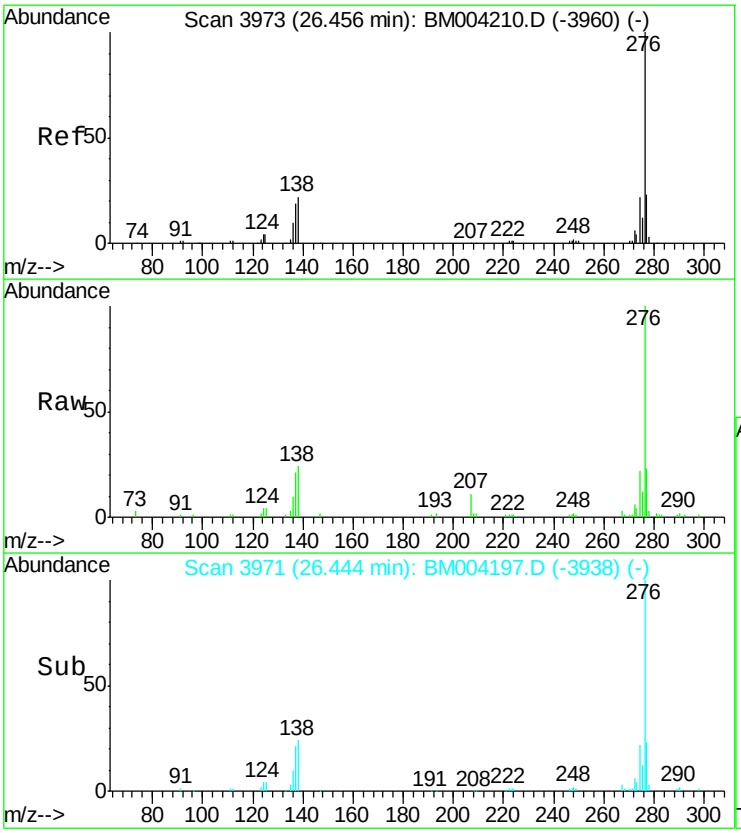
Tgt Ion:278 Resp: 47070

Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.9	20.9#
279	26.7	19.0	28.4

Instrument :
BNA_M
ClientSampleId :
C04K1

Manual Integrations APPROVED
UMANGI
2/9/2016 3:29:45 PM





#94
Benzo(g,h,i)perylene
Concen: 9.45 ng/ul
RT: 26.44 min Scan# 3971
Delta R.T. -0.01 min
Lab File: BM004197.D
Acq: 08 Feb 2016 13:23

Tgt Ion:276 Resp: 129079

Ion	Ratio	Lower	Upper
276	100		
138	23.8	18.9	28.3
277	23.3	19.2	28.8