Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003978.D
Acq On : 13 Jan 2016 05:41
Operator : SJ/UM
Sample : H1095-13 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC975

Manual Integrations APPROVED
MMdadoda
1/13/2016 3:28:50 PM

Quant Time: Jan 13 07:18:58 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 13 06:45:02 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	33141	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	165090	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	102009	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	235391	20.00	ng/ul	0.00
78) Chrysene-d12	21.27	240	250511	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	200424	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	6.85	99	4980	1.81	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	3189	2.05	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	4500	1.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	3323	1.49	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	1923	1.55	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	1741	1.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	3779	1.56	ng/ul	0.01
29) 4-Chloroaniline-d4	10.60	131	4066	1.27	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	16546	2.07	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	19951	2.04	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.32	176	16890	2.49	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	483	0.36	ng/ul	0.00
71) Anthracene-d10	17.17	188	26421	2.43	ng/ul	0.00
79) Pyrene-d10	19.47	212	30351	2.34	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	25383	2.54	ng/ul	0.00
Target Compounds						Qvalue
70) Phenanthrene	17.11	178	35672	2.69	ng/ul	99
77) Fluoranthene	19.14	202	82851	6.02	ng/ul	99
80) Pyrene	19.50	202	95250	5.60	ng/ul	98
83) Benzo(a)anthracene	21.26	228	42952	2.88	ng/ul	96
85) Chrysene	21.31	228	50665	3.57	ng/ul	98
88) Benzo(b)fluoranthene	22.84	252	50376	4.13	ng/ul#	96
89) Benzo(k)fluoranthene	22.88	252	17222m	1.49	ng/ul	
91) Benzo(a)pyrene	23.41	252	36113	3.13	ng/ul	95
92) Indeno(1,2,3-cd)pyrene	25.75	276	19502	1.53	ng/ul	99
94) Benzo(g,h,i)perylene	26.44	276	19518	1.82	ng/ul	96

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

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Instrument :
BNA_M
ClientSampleId :
BC975

Manual Integrations APPROVED
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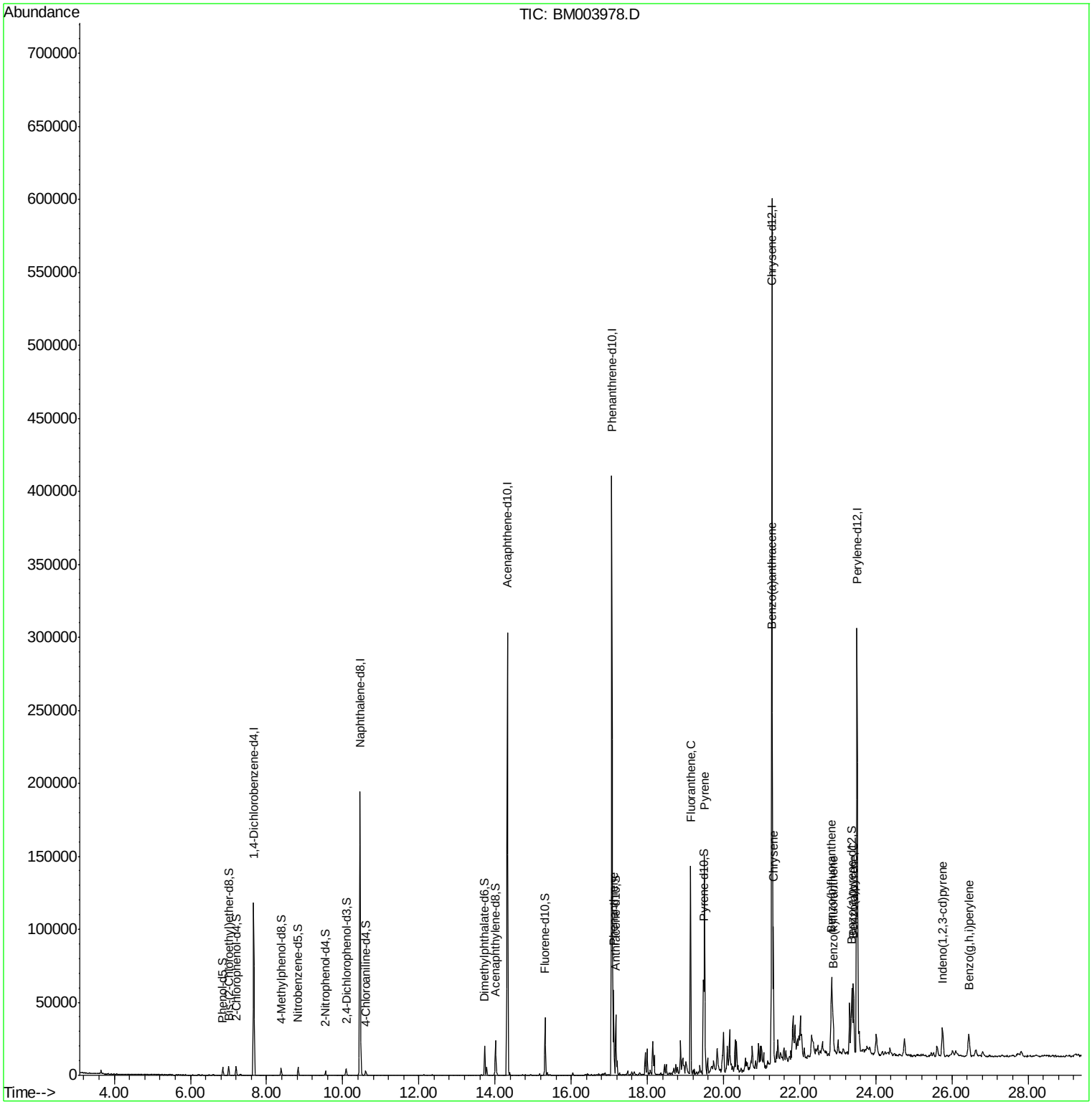
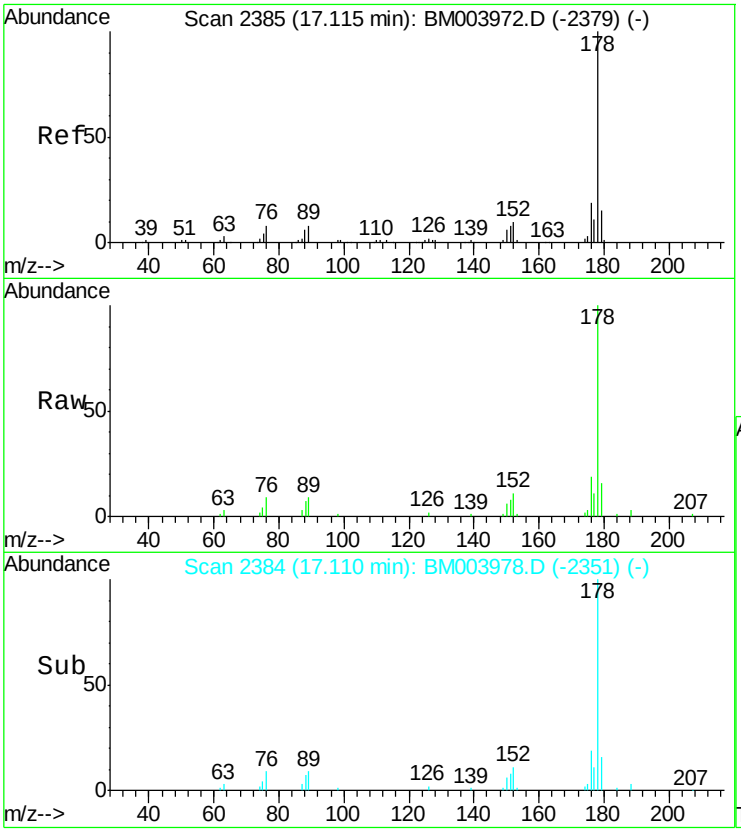
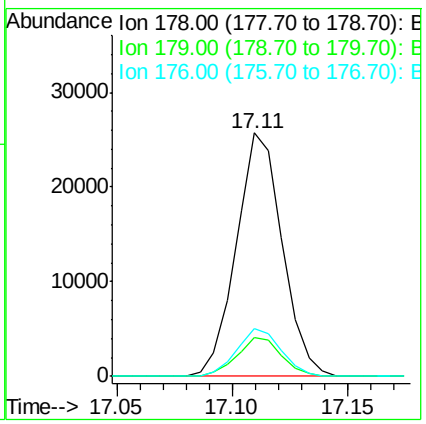




#70
Phenanthrene
Concen: 2.69 ng/ul
RT: 17.11 min Scan# 2384
Delta R.T. -0.01 min
Lab File: BM003978.D
Acq: 13 Jan 2016 05:41

Tgt Ion:178 Resp: 35672

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.2	18.4
176	19.5	15.6	23.4



Instrument :
BNA_M
ClientSampleId :
BC975

Manual Integrations APPROVED
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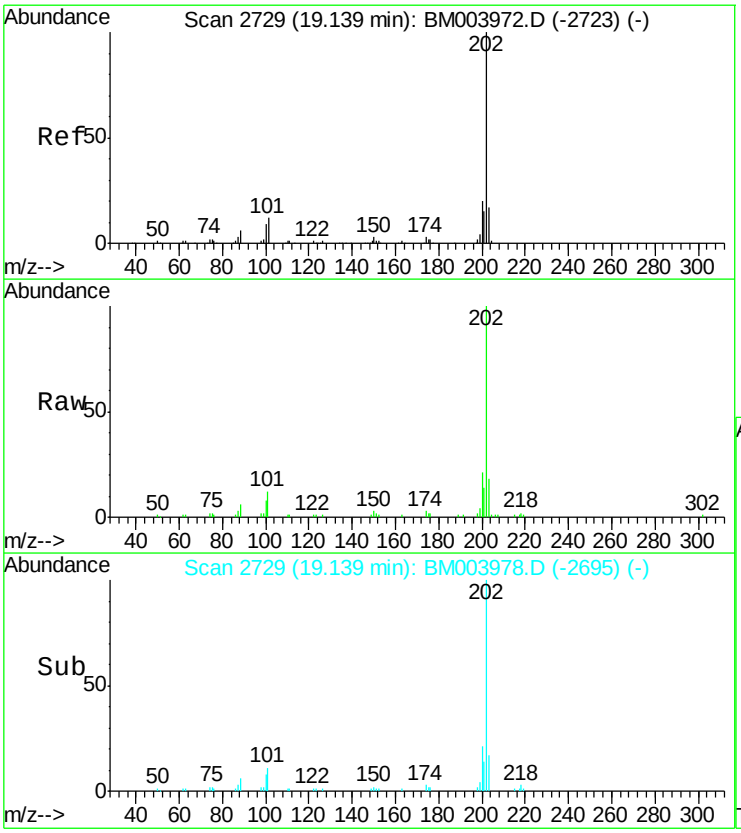
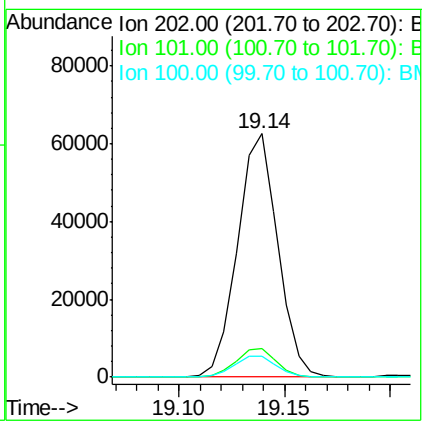
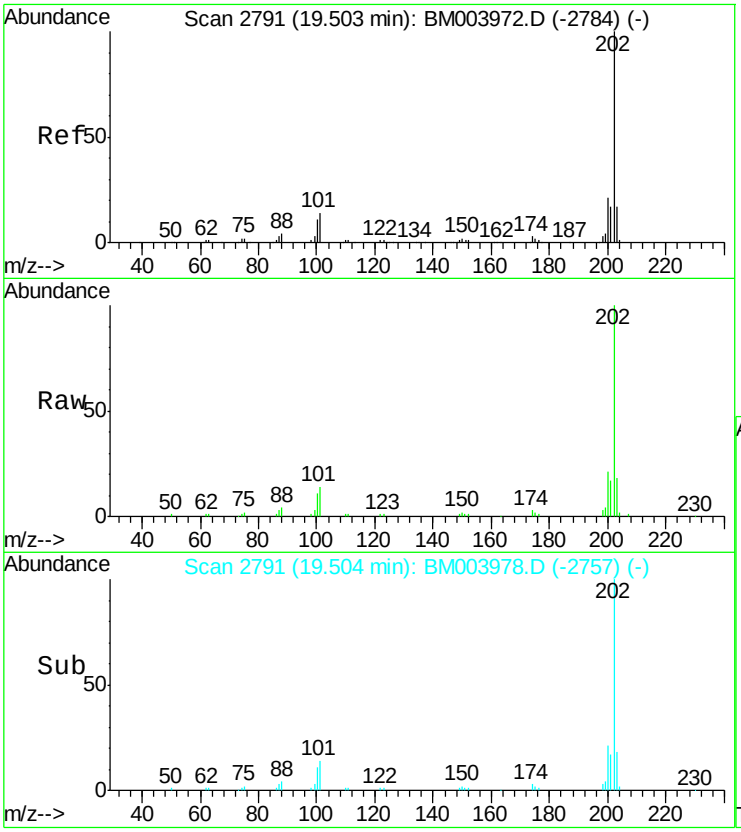


#77
Fluoranthene
Concen: 6.02 ng/ul
RT: 19.14 min Scan# 2729
Delta R.T. 0.00 min
Lab File: BM003978.D
Acq: 13 Jan 2016 05:41

Tgt Ion:202 Resp: 82851

Ion	Ratio	Lower	Upper
202	100		
101	11.8	8.8	13.2
100	8.4	6.6	9.8

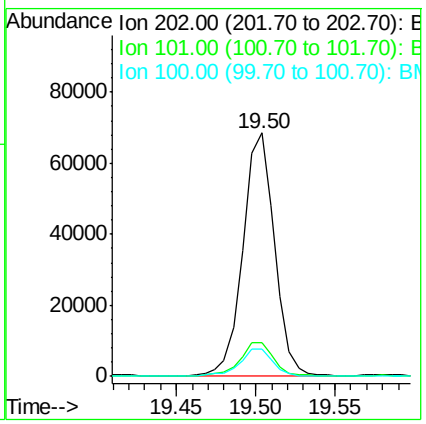




#80
Pyrene
Concen: 5.60 ng/ul
RT: 19.50 min Scan# 2791
Delta R.T. 0.00 min
Lab File: BM003978.D
Acq: 13 Jan 2016 05:41

Tgt Ion:202 Resp: 95250

Ion	Ratio	Lower	Upper
202	100		
101	13.8	10.2	15.2
100	11.2	8.5	12.7



Instrument :
BNA_M
ClientSampleId :
BC975

Manual Integrations APPROVED
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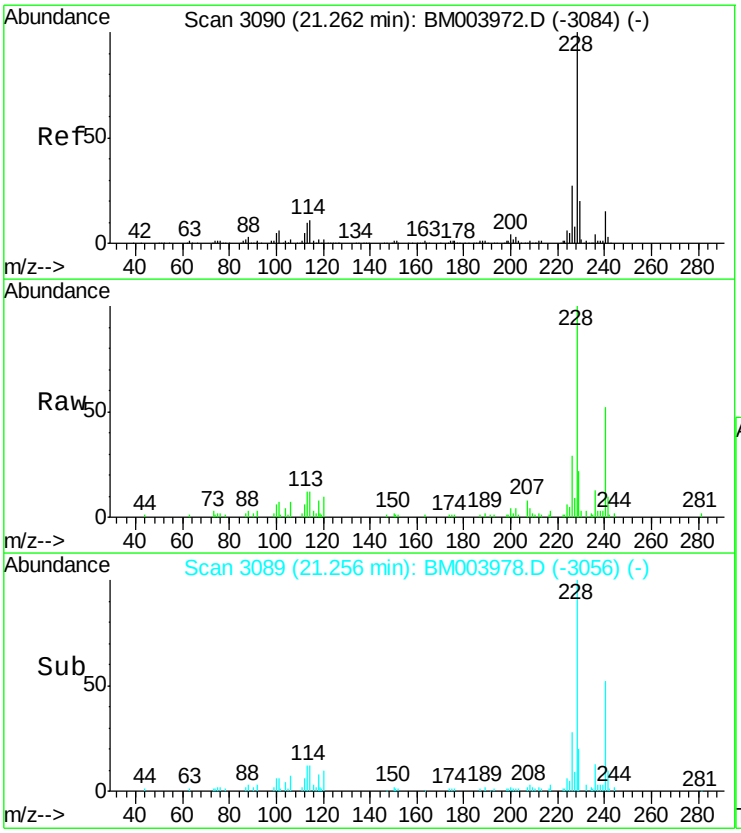
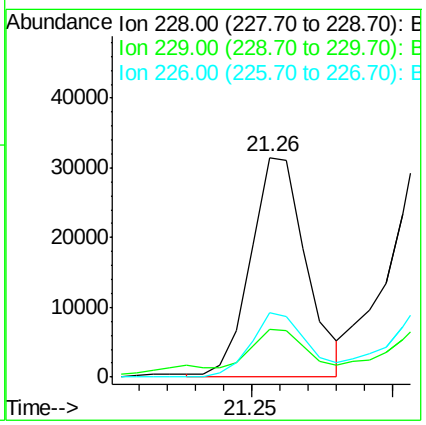
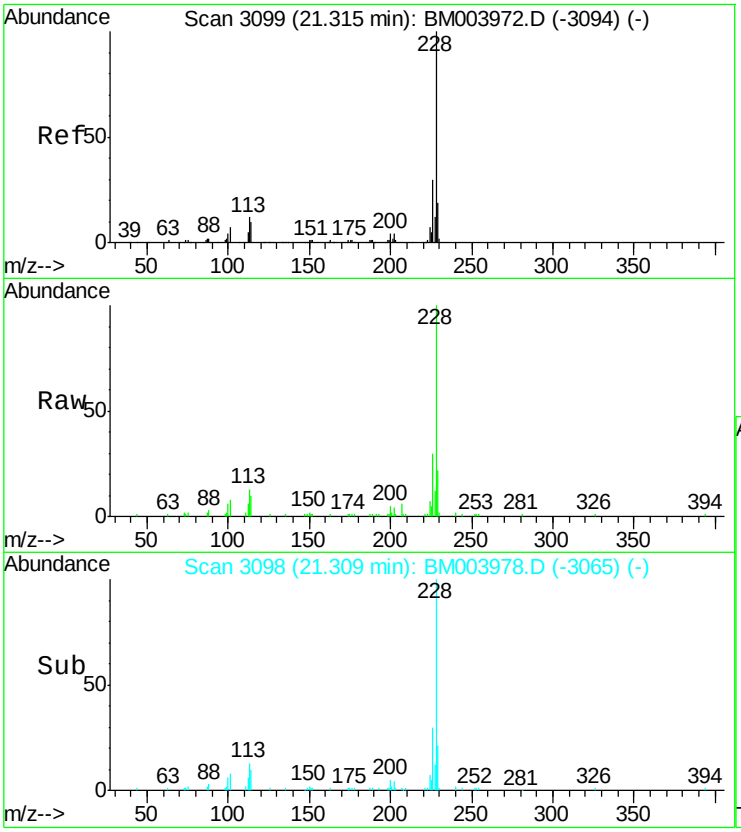


#83
Benzo(a)anthracene
Concen: 2.88 ng/ul
RT: 21.26 min Scan# 3089
Delta R.T. -0.01 min
Lab File: BM003978.D
Acq: 13 Jan 2016 05:41

Tgt Ion:228 Resp: 42952

Ion	Ratio	Lower	Upper
228	100		
229	21.9	15.7	23.5
226	29.1	21.8	32.6

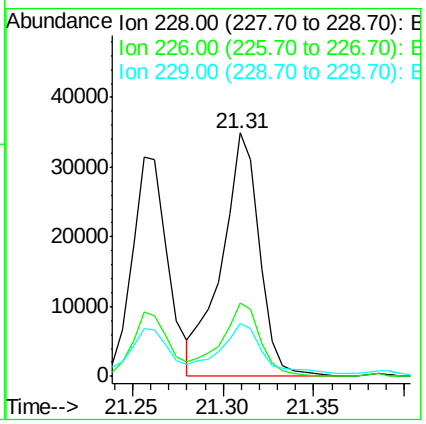




#85
Chrysene
Concen: 3.57 ng/ul
RT: 21.31 min Scan# 3098
Delta R.T. -0.01 min
Lab File: BM003978.D
Acq: 13 Jan 2016 05:41

Tgt Ion:228 Resp: 50665

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.0	36.0
229	21.7	15.6	23.4



Instrument :
BNA_M
ClientSampleId :
BC975

Manual Integrations APPROVED
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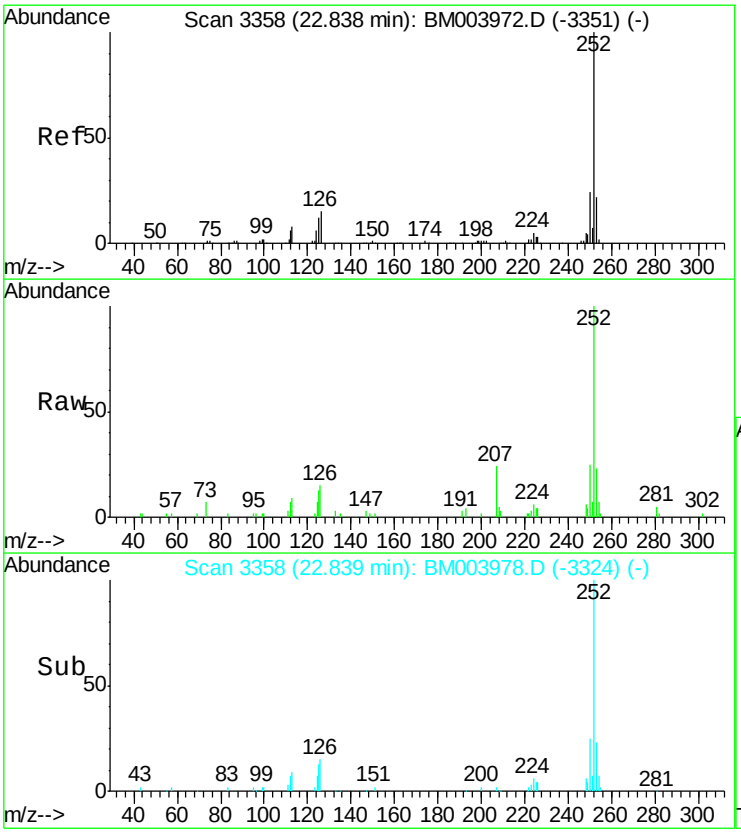
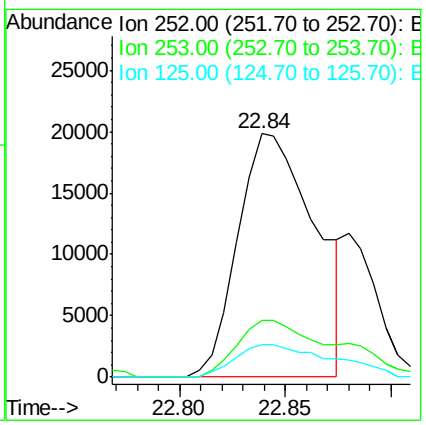
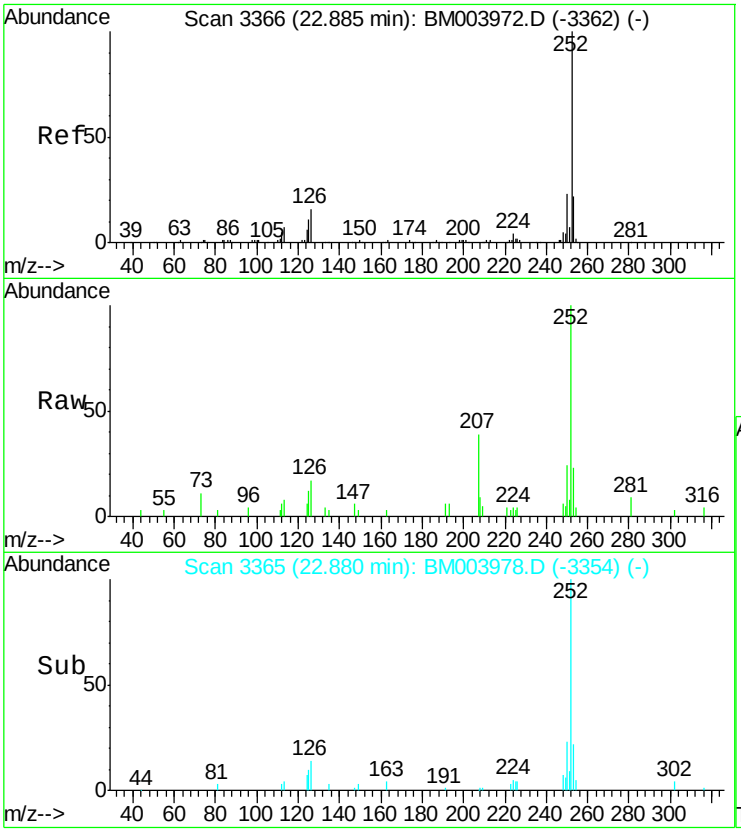


#88
Benzo(b)fluoranthene
Concen: 4.13 ng/ul
RT: 22.84 min Scan# 3358
Delta R.T. 0.00 min
Lab File: BM003978.D
Acq: 13 Jan 2016 05:41

Tgt Ion:252 Resp: 50376

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	13.3	8.5	12.7#

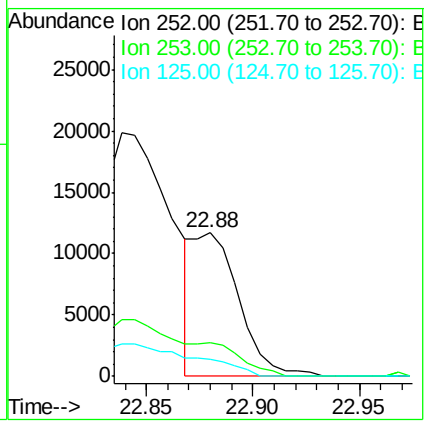




#89
Benzo(k)fluoranthene
Concen: 1.49 ng/ul m
RT: 22.88 min Scan# 3365
Delta R.T. -0.01 min
Lab File: BM003978.D
Acq: 13 Jan 2016 05:41

Tgt Ion:252 Resp: 17222

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	12.2	8.2	12.2#



Instrument :
BNA_M
ClientSampleId :
BC975

Manual Integrations APPROVED
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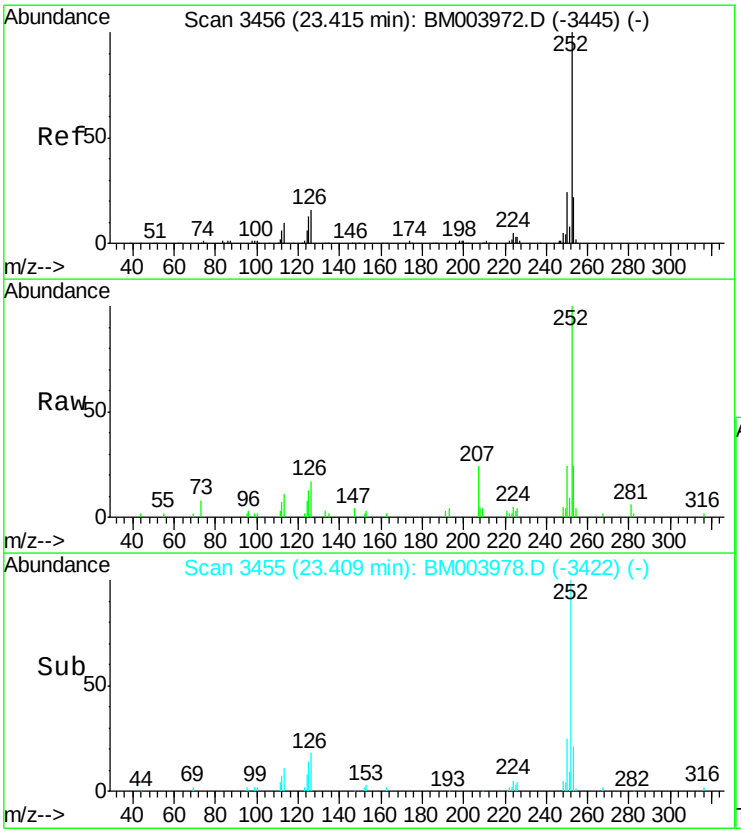
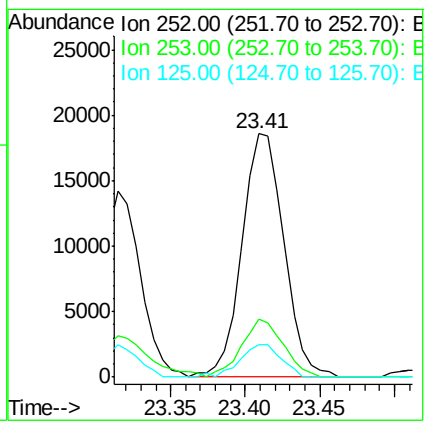
1/13/2016 3:28:50 PM

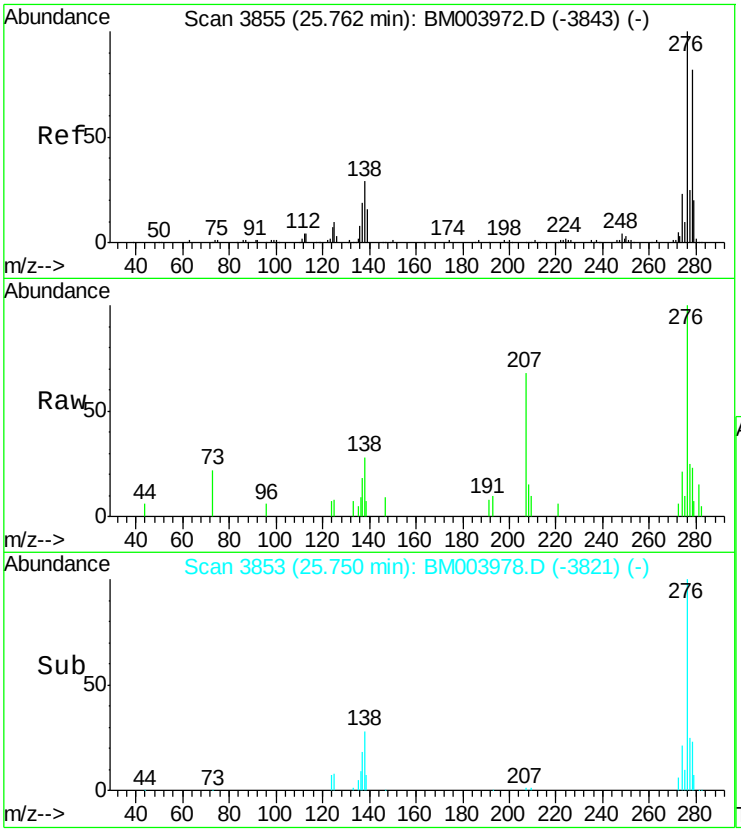


#91
Benzo(a)pyrene
Concen: 3.13 ng/ul
RT: 23.41 min Scan# 3455
Delta R.T. -0.01 min
Lab File: BM003978.D
Acq: 13 Jan 2016 05:41

Tgt Ion:252 Resp: 36113

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.2	25.8
125	13.2	9.0	13.6

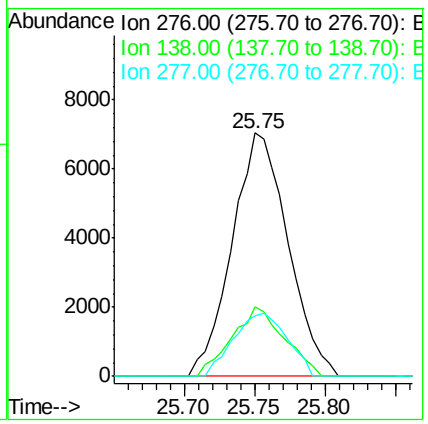




#92
Indeno(1,2,3-cd)pyrene
Concen: 1.53 ng/ul
RT: 25.75 min Scan# 3853
Delta R.T. -0.01 min
Lab File: BM003978.D
Acq: 13 Jan 2016 05:41

Tgt Ion:276 Resp: 19502

Ion	Ratio	Lower	Upper
276	100		
138	28.5	22.3	33.5
277	25.0	20.2	30.2



Instrument :
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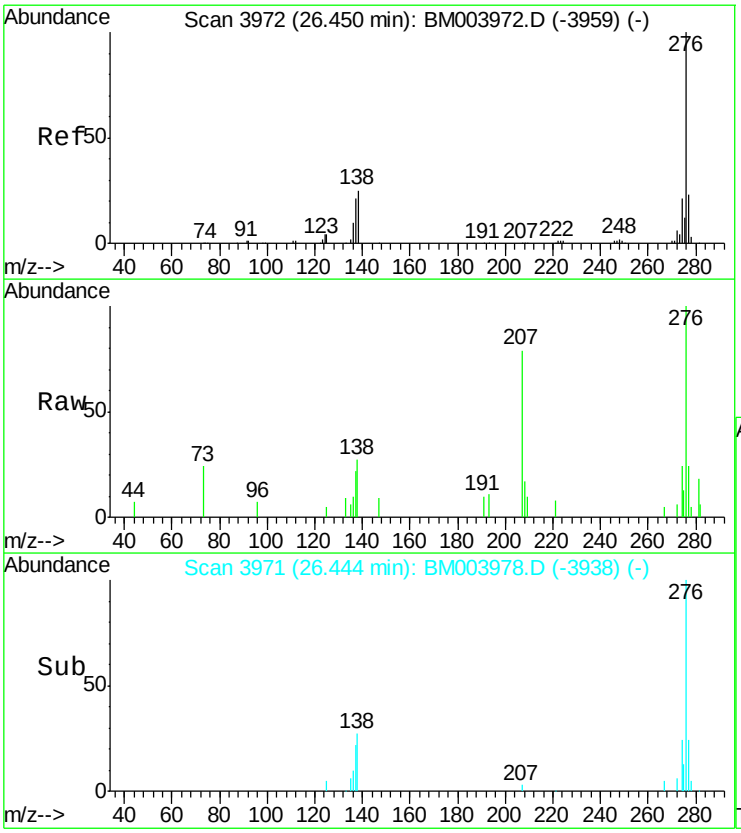
1/13/2016 3:28:50 PM



#94
Benzo(g,h,i)perylene
Concen: 1.82 ng/ul
RT: 26.44 min Scan# 3971
Delta R.T. -0.01 min
Lab File: BM003978.D
Acq: 13 Jan 2016 05:41

Tgt Ion:276 Resp: 19518

Ion	Ratio	Lower	Upper
276	100		
138	26.7	18.9	28.3
277	24.3	19.2	28.8