Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080616\
Data File : BM006965.D
Acq On : 07 Aug 2016 08:06
Operator : UM/SJ
Sample : H4302-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA0K1

Manual Integrations APPROVED
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Quant Time: Aug 08 04:46:53 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080616.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 08 03:51:46 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	185975	20.00	ng/ul	0.00
7) Naphthalene-d8	10.32	136	905185	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.20	164	606981	20.00	ng/ul	0.00
23) Phenanthrene-d10	16.96	188	1514804	20.00	ng/ul	0.00
29) Chrysene-d12	21.17	240	1542097	20.00	ng/ul	0.00
34) Perylene-d12	23.36	264	1147895	20.00	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.09	96	8349	2.05	ng/uL	0.00
3) Phenol-d5	6.77	99	347490	19.71	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.90	67	265788	24.04	ng/ul	0.00
5) 2-Chlorophenol-d4	7.10	132	284669	22.61	ng/ul	0.00
6) 4-Methylphenol-d8	8.29	113	286003	19.43	ng/ul	0.00
8) Nitrobenzene-d5	8.72	128	157748	23.46	ng/ul	0.00
9) 2-Nitrophenol-d4	9.43	143	183811	22.83	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	9.98	165	318961	20.90	ng/ul	0.00
12) 4-Chloroaniline-d4	10.49	131	415562	22.80	ng/ul	0.00
16) Dimethylphthalate-d6	13.63	166	1305241	24.44	ng/ul	0.00
17) Acenaphthylene-d8	13.90	160	1527492	24.72	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	130996	16.91	ng/ul	0.01
21) Fluorene-d10	15.20	176	1148323	25.29	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.37	200	144302m	23.07	ng/ul	0.00
26) Anthracene-d10	17.06	188	1801329	24.61	ng/ul	0.00
30) Pyrene-d10	19.37	212	2054377	27.95	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.21	264	1344549	24.59	ng/ul	0.00
Target Compounds						Qvalue
25) Phenanthrene	17.00	178	193135	2.28	ng/ul	97
28) Fluoranthene	19.03	202	305066	2.96	ng/ul	98
31) Pyrene	19.40	202	254390m	2.65	ng/ul	
32) Benzo(a)anthracene	21.16	228	127001	1.39	ng/ul	97
33) Chrysene	21.21	228	114720m	1.42	ng/ul	
35) Benzo(b)fluoranthene	22.71	252	145115	1.94	ng/ul	99
38) Benzo(a)pyrene	23.26	252	88103	1.30	ng/ul	98
41) Benzo(g,h,i)perylene	26.21	276	56537m	1.04	ng/ul	

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

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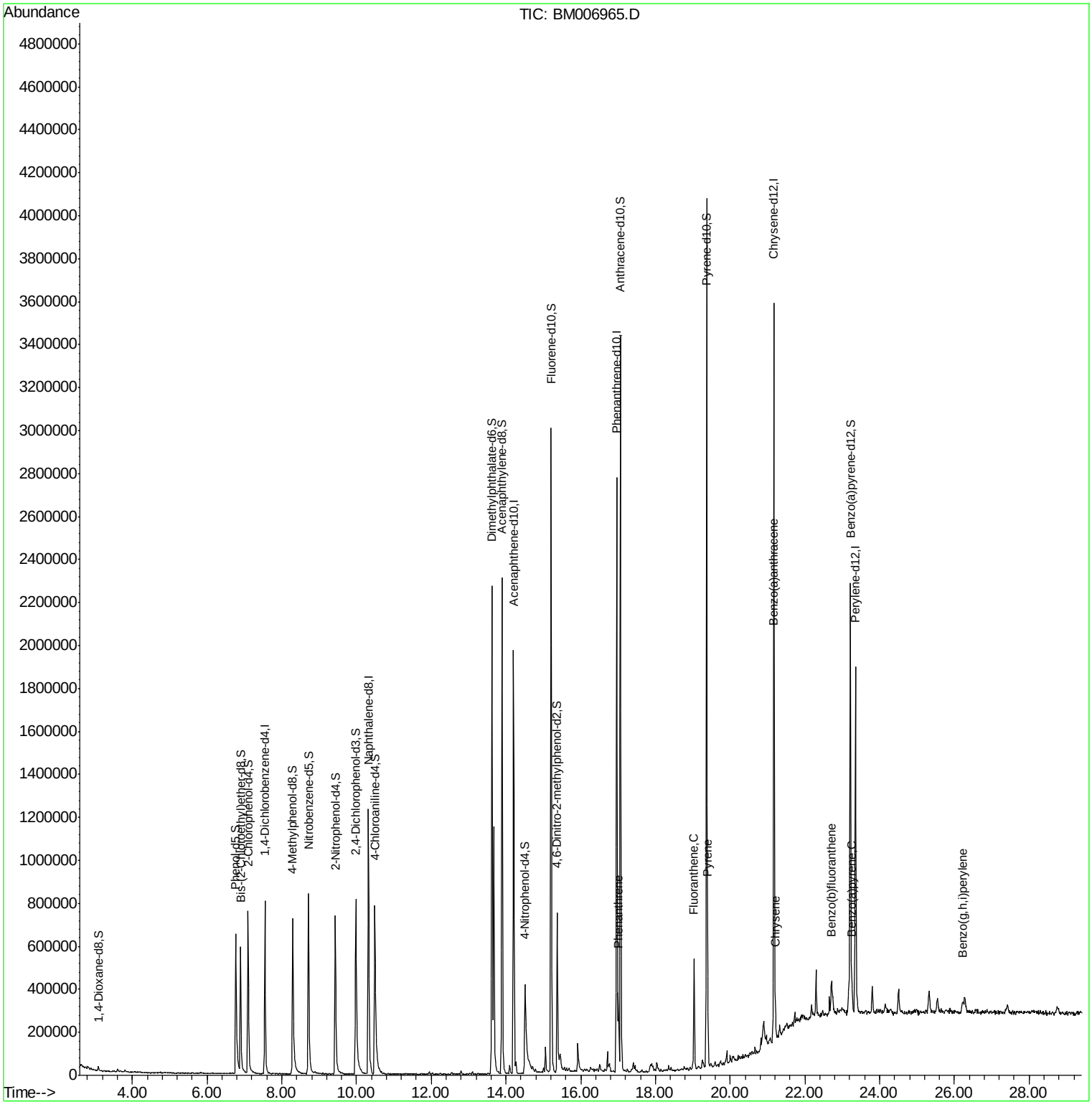
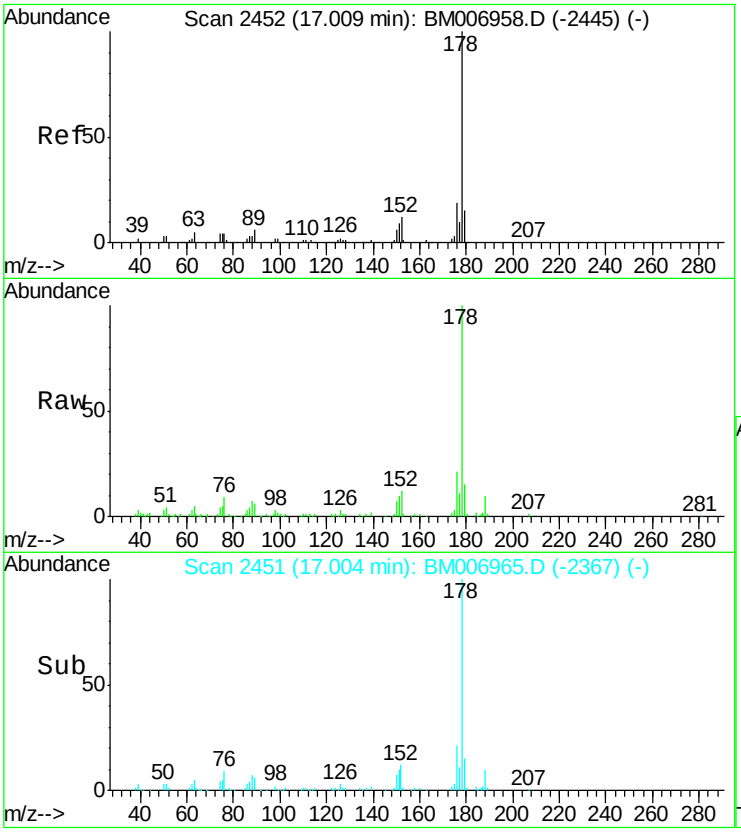
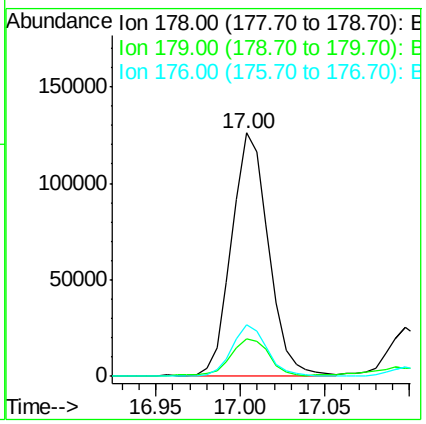




#25
Phenanthrene
Concen: 2.28 ng/ul
RT: 17.00 min Scan# 2451
Delta R.T. -0.01 min
Lab File: BM006965.D
Acq: 07 Aug 2016 08:06

Tgt Ion:178 Resp: 193135

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.0	18.0
176	20.9	15.0	22.4



Instrument :
BNA_M
ClientSampleId :
DA0K1

Manual Integrations APPROVED
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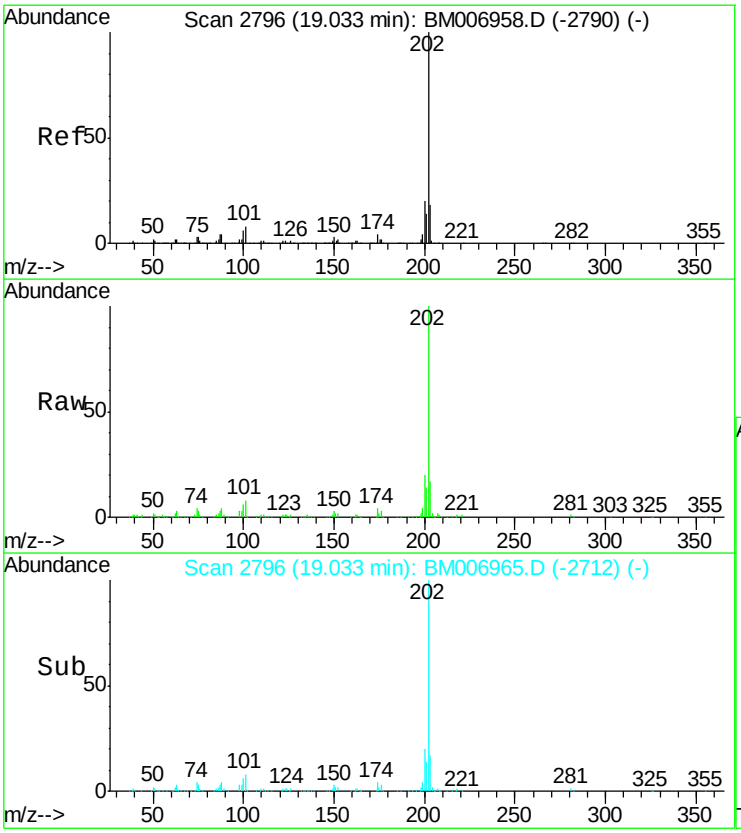
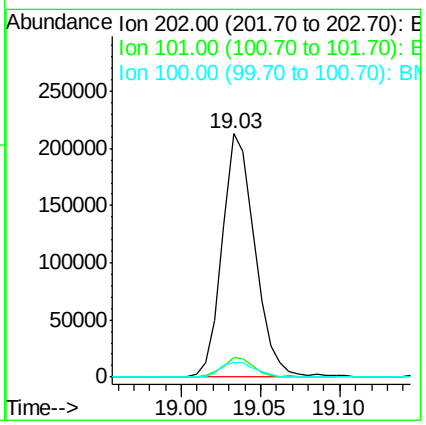
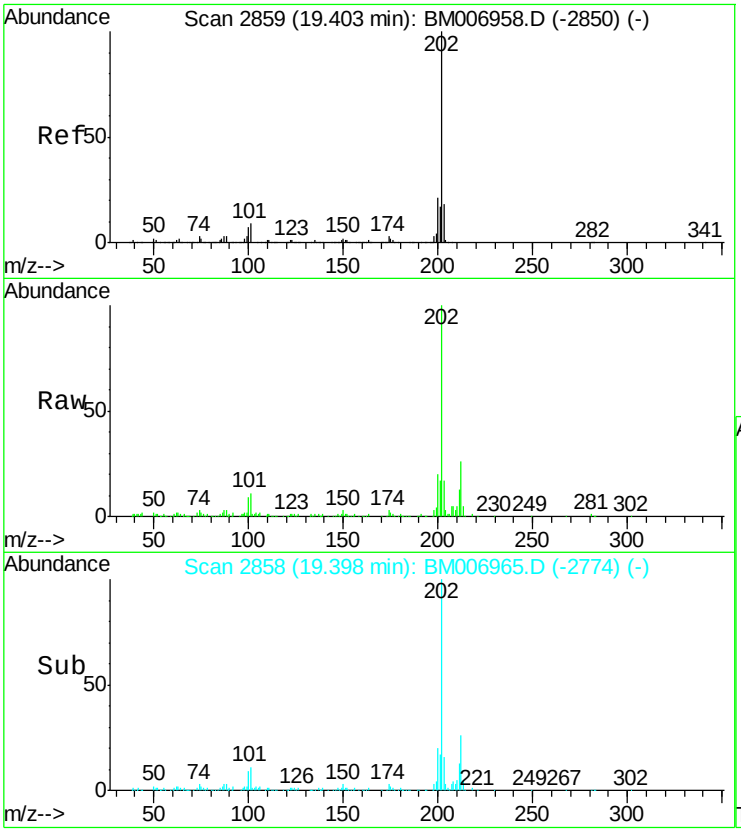


#28
Fluoranthene
Concen: 2.96 ng/ul
RT: 19.03 min Scan# 2796
Delta R.T. -0.01 min
Lab File: BM006965.D
Acq: 07 Aug 2016 08:06

Tgt Ion:202 Resp: 305066

Ion	Ratio	Lower	Upper
202	100		
101	7.9	5.6	8.4
100	6.1	4.2	6.4





#31
Pyrene
Concen: 2.65 ng/ul m
RT: 19.40 min Scan# 2858
Delta R.T. -0.01 min
Lab File: BM006965.D
Acq: 07 Aug 2016 08:06

Tgt Ion:202 Resp: 254390

Ion	Ratio	Lower	Upper
202	100		
101	10.7	6.4	9.6#
100	9.5	5.4	8.2#

Instrument :
BNA_M
ClientSampleId :
DA0K1

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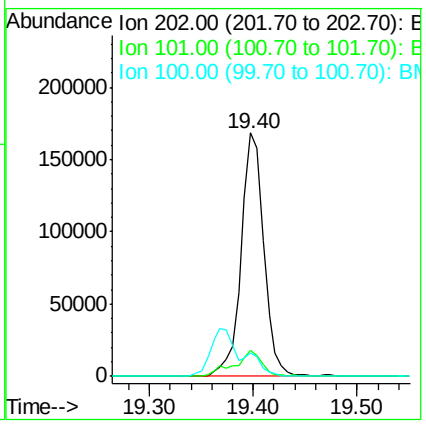
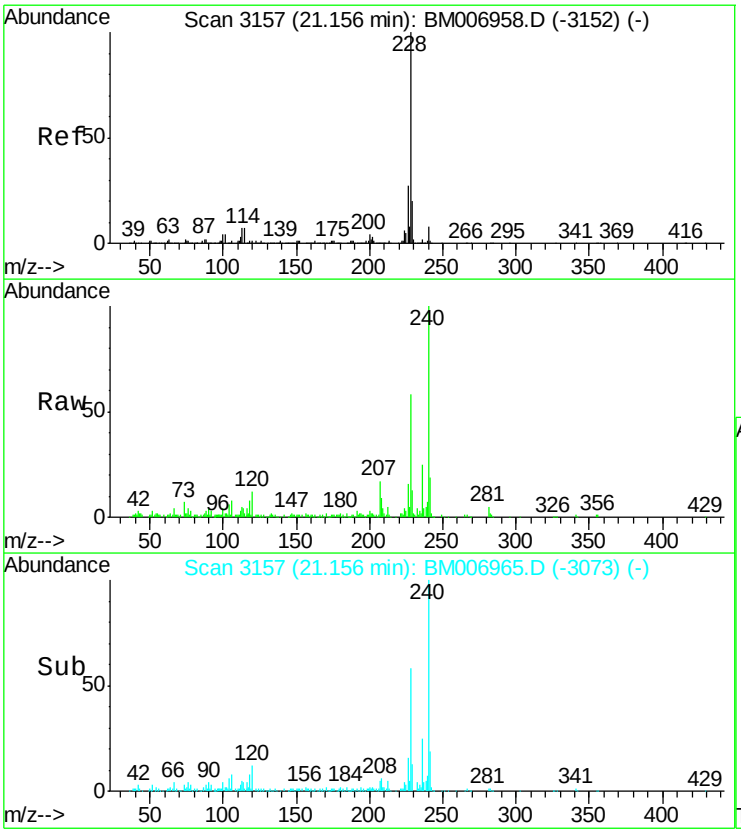
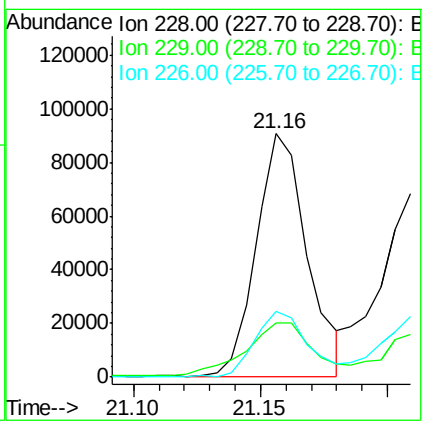


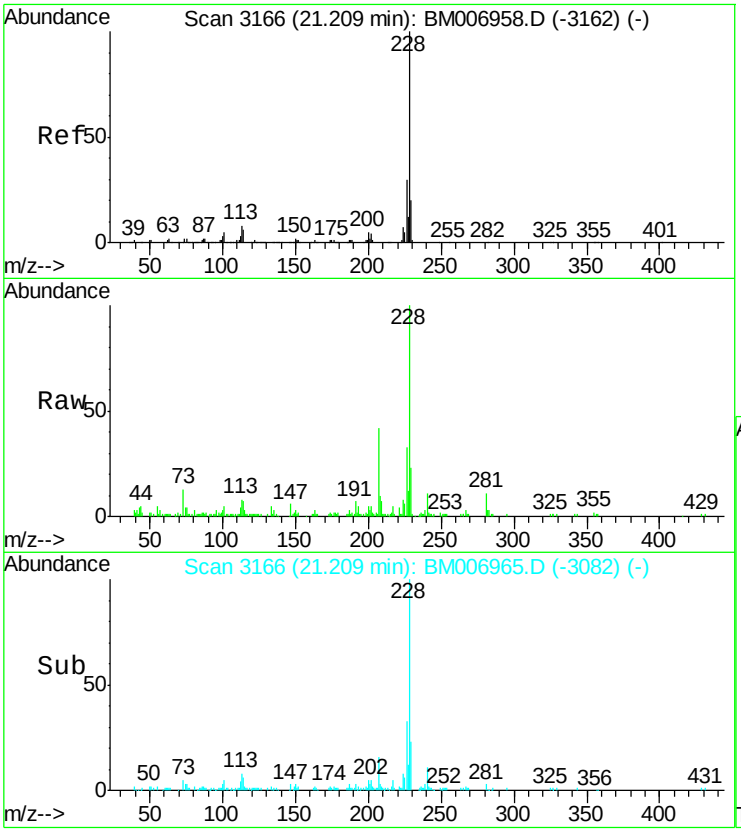


#32
Benzo(a)anthracene
Concen: 1.39 ng/ul
RT: 21.16 min Scan# 3157
Delta R.T. -0.01 min
Lab File: BM006965.D
Acq: 07 Aug 2016 08:06

Tgt Ion:228 Resp: 127001

Ion	Ratio	Lower	Upper
228	100		
229	22.2	15.2	22.8
226	26.9	21.3	31.9

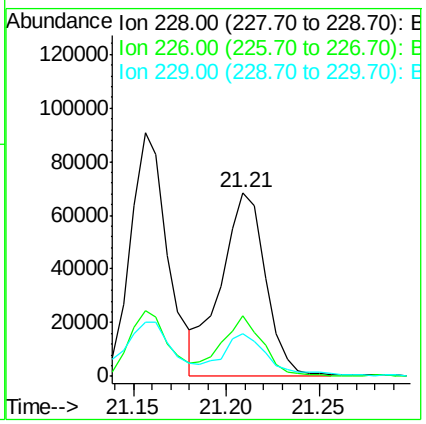




#33
Chrysene
Concen: 1.42 ng/ul m
RT: 21.21 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BM006965.D
Acq: 07 Aug 2016 08:06

Tgt Ion:228 Resp: 114720

Ion	Ratio	Lower	Upper
228	100		
226	32.8	23.8	35.6
229	23.1	15.1	22.7#



Instrument :
BNA_M
ClientSampleId :
DA0K1

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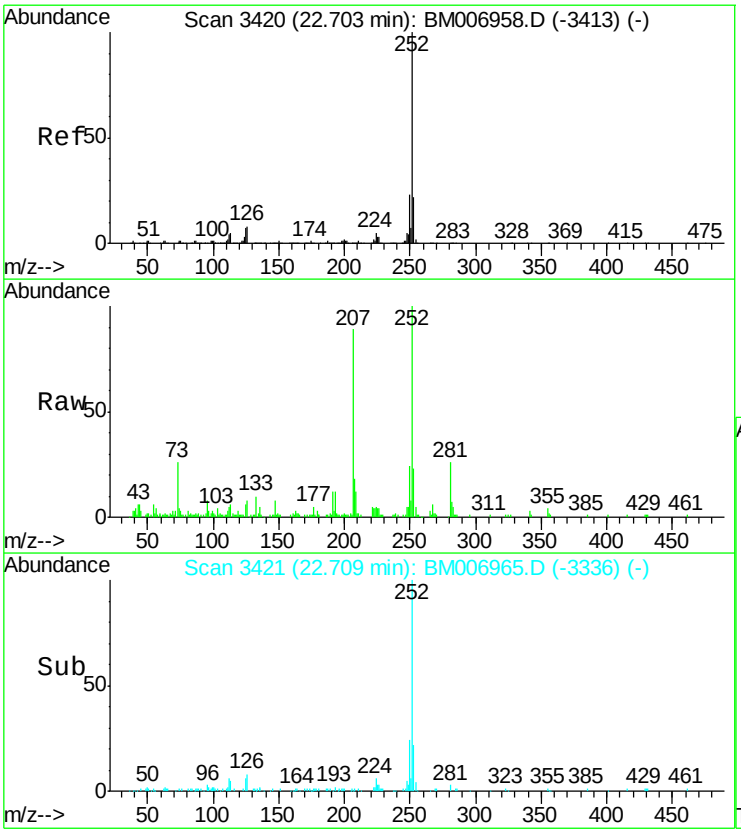
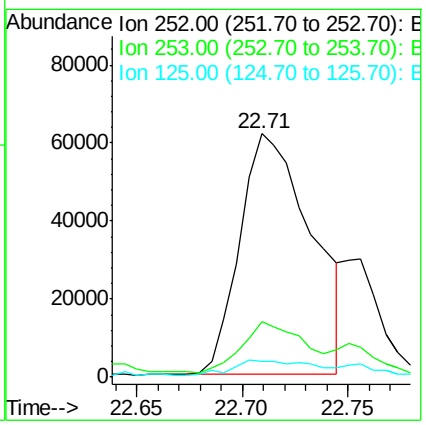
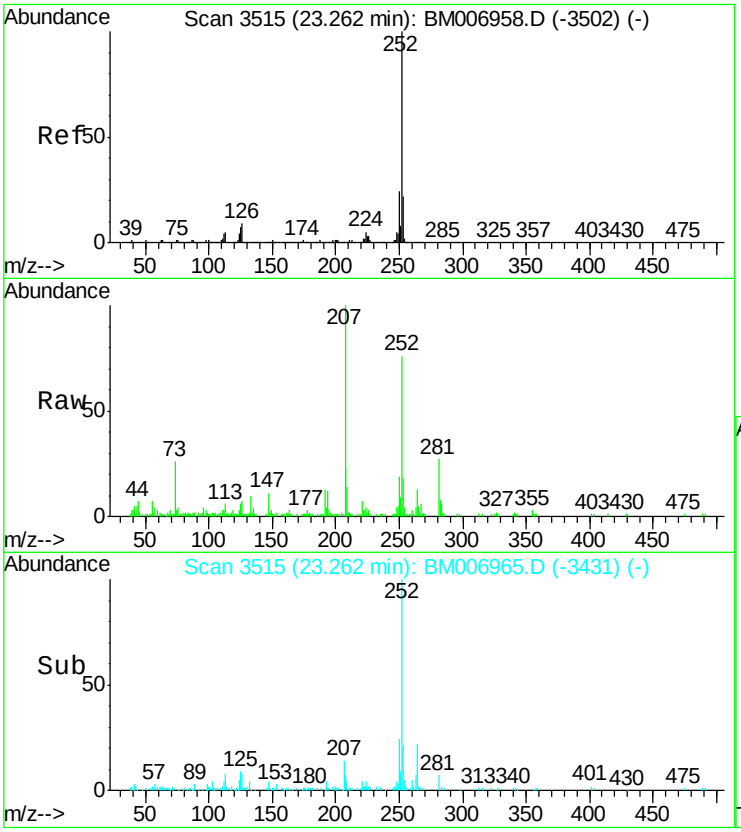


#35
Benzo(b)fluoranthene
Concen: 1.94 ng/ul
RT: 22.71 min Scan# 3421
Delta R.T. 0.00 min
Lab File: BM006965.D
Acq: 07 Aug 2016 08:06

Tgt Ion:252 Resp: 145115

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	6.3	5.1	7.7

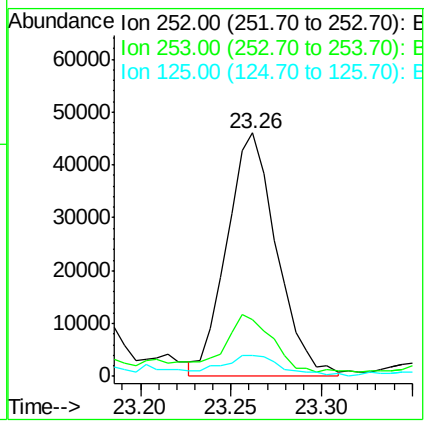




#38
Benzo(a)pyrene
Concen: 1.30 ng/ul
RT: 23.26 min Scan# 3515
Delta R.T. -0.01 min
Lab File: BM006965.D
Acq: 07 Aug 2016 08:06

Tgt Ion:252 Resp: 88103

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	8.3	5.6	8.4



Instrument :
BNA_M
ClientSampleId :
DA0K1

Manual Integrations APPROVED
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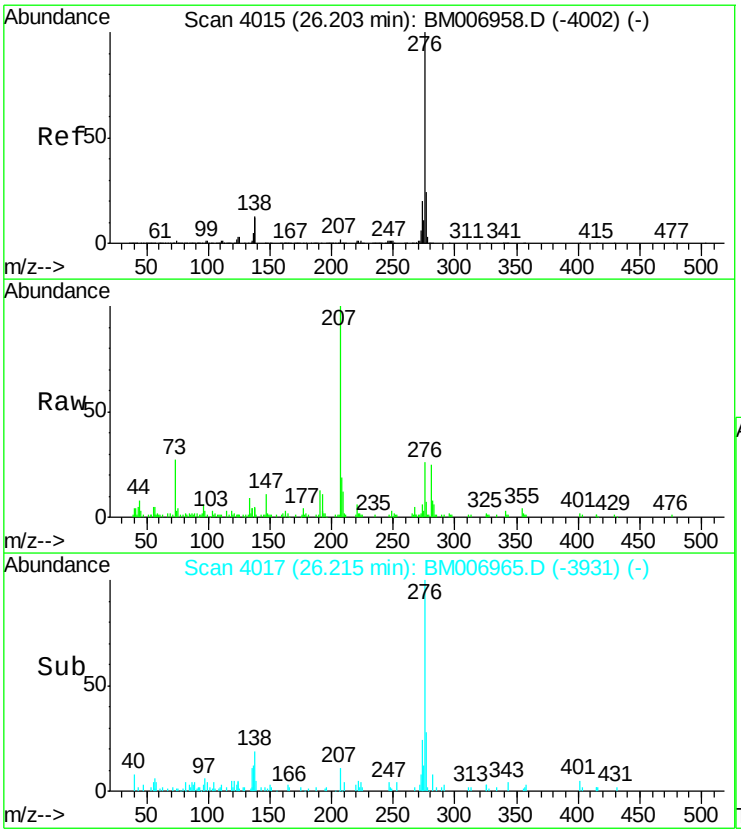
8/8/2016 7:06:35 PM



#41
Benzo(g,h,i)perylene
Concen: 1.04 ng/ul m
RT: 26.21 min Scan# 4017
Delta R.T. 0.01 min
Lab File: BM006965.D
Acq: 07 Aug 2016 08:06

Tgt Ion:276 Resp: 56537

Ion	Ratio	Lower	Upper
276	100		
138	18.7	10.9	16.3#
277	27.5	18.6	27.8