Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081215\
Data File : BM002371.D
Acq On : 12 Aug 2015 21:22
Operator : UM/IZ
Sample : G3163-16
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9D01

Manual Integrations APPROVED
MMDadoda
8/13/2015 10:58:10 AM

Quant Time: Aug 13 01:11:35 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 13 00:45:03 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	195669	20.00	ng/ul	0.00
2) Naphthalene-d8	11.78	136	907296	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	479219	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.20	188	827565	20.00	ng/ul	0.00
17) Chrysene-d12	22.29	240	609513	20.00	ng/ul	0.00
22) Perylene-d12	24.99	264	625352	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.19	160	1011705	20.38	ng/ul	0.00
10) Fluorene-d10	16.46	176	640590	18.55	ng/ul	0.00
14) Anthracene-d10	18.30	188	791382	19.71	ng/ul	0.00
18) Pyrene-d10	20.52	212	630058	21.31	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.82	264	577180	17.38	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	11.83	128	50892	1.07	ng/ul	97
8) Acenaphthylene	15.22	152	90114	1.75	ng/ul	99
13) Phenanthrene	18.24	178	280097	5.88	ng/ul	99
15) Anthracene	18.33	178	102716	2.09	ng/ul	98
16) Fluoranthene	20.19	202	453612	8.60	ng/ul	100
19) Pyrene	20.54	202	388663	9.86	ng/ul	96
20) Benzo(a)anthracene	22.27	228	233923	6.29	ng/ul	97
21) Chrysene	22.33	228	259699	7.37	ng/ul	96
23) Benzo(b)fluoranthene	24.16	252	486047	12.51	ng/ul	97
24) Benzo(k)fluoranthene	24.20	252	144828m	3.88	ng/ul	
26) Benzo(a)pyrene	24.87	252	278065	7.48	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	27.84	276	270305	6.34	ng/ul	97
28) Dibenzo(a,h)anthracene	27.85	278	70387	1.95	ng/ul#	79
29) Benzo(g,h,i)perylene	28.74	276	274656	7.64	ng/ul	98

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

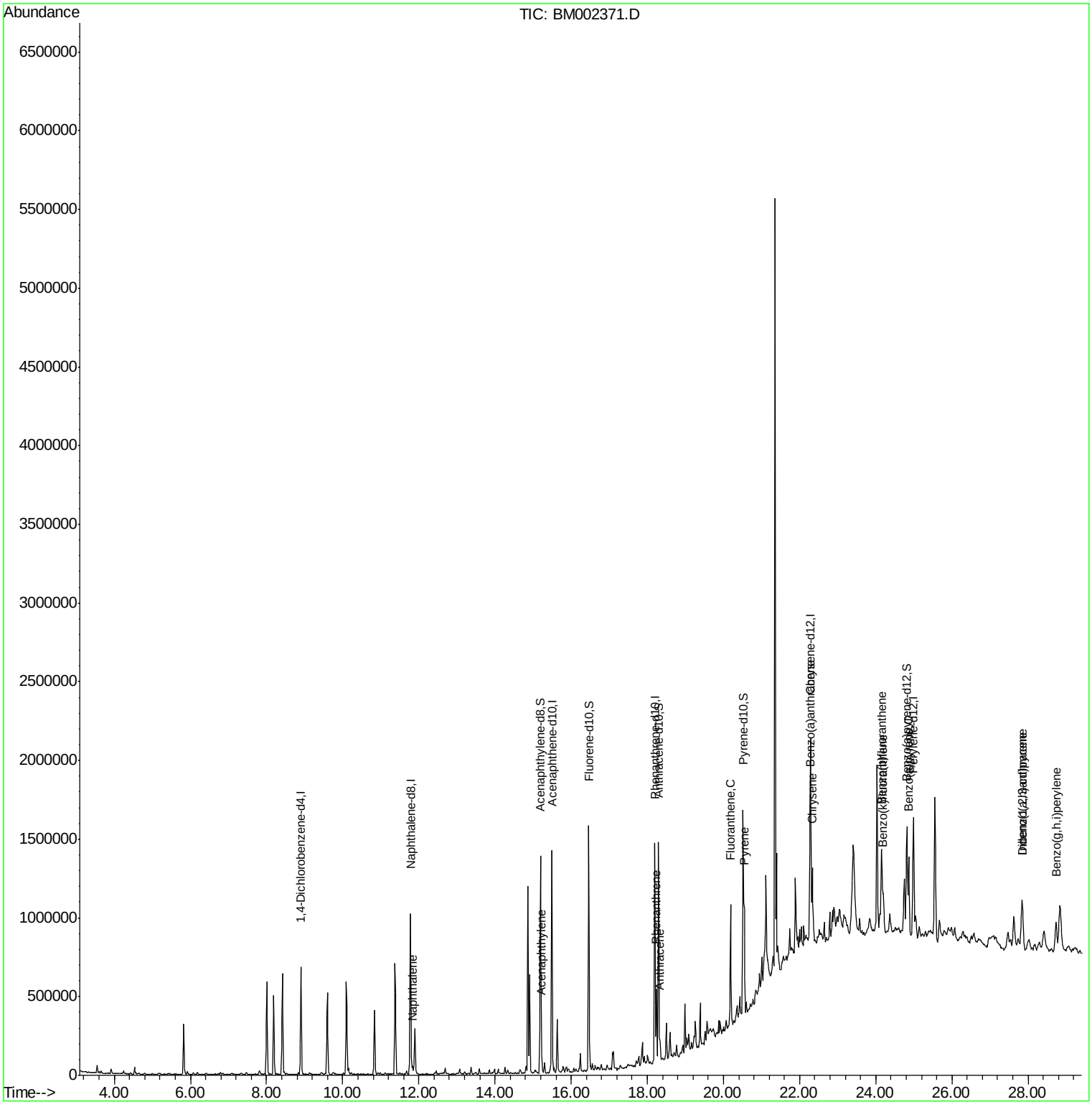
Quantitation Report (QT Reviewed)

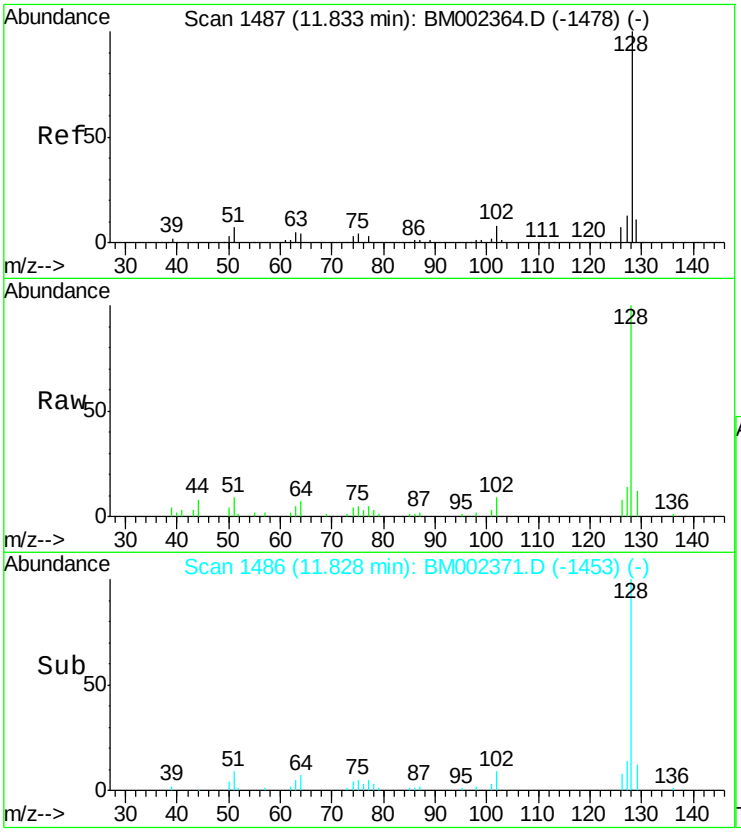
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081215\
Data File : BM002371.D
Acq On : 12 Aug 2015 21:22
Operator : UM/IZ
Sample : G3163-16
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 13 01:11:35 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 13 00:45:03 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9D01

Manual Integrations APPROVED
MMDadoda
8/13/2015 10:58:10 AM

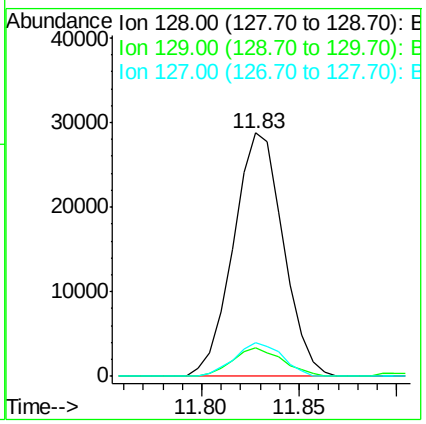




#3
Naphthalene
Concen: 1.07 ng/ul
RT: 11.83 min Scan# 1486
Delta R.T. -0.01 min
Lab File: BM002371.D
Acq: 12 Aug 2015 21:22

Tgt Ion:128 Resp: 50892

Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.6	12.8
127	13.8	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
D9D01

Manual Integrations APPROVED
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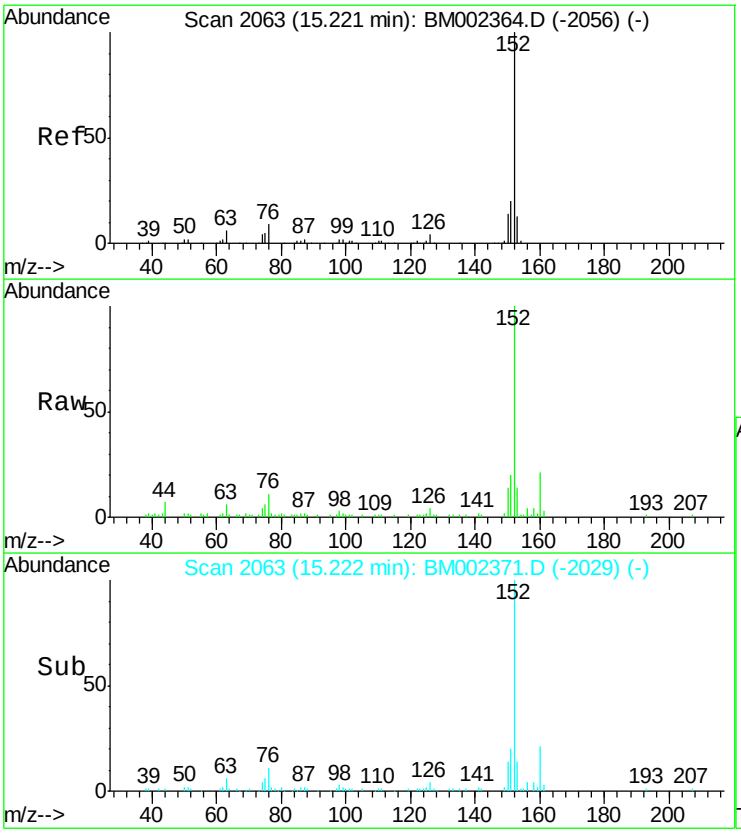
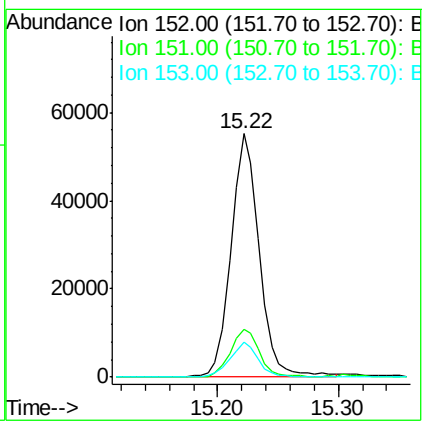
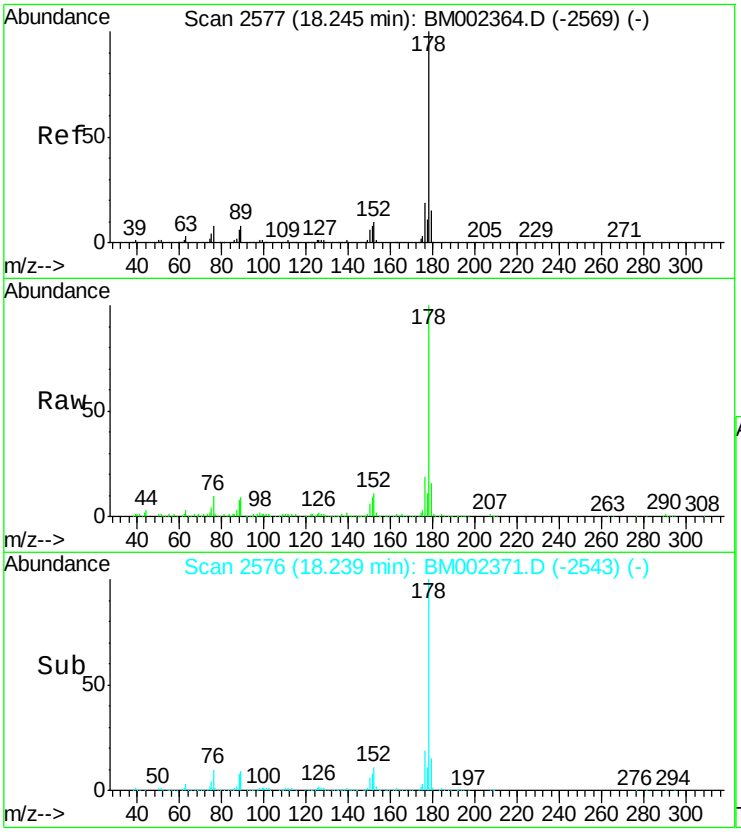


#8
Acenaphthylene
Concen: 1.75 ng/ul
RT: 15.22 min Scan# 2063
Delta R.T. 0.00 min
Lab File: BM002371.D
Acq: 12 Aug 2015 21:22

Tgt Ion:152 Resp: 90114

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	14.1	10.6	15.8

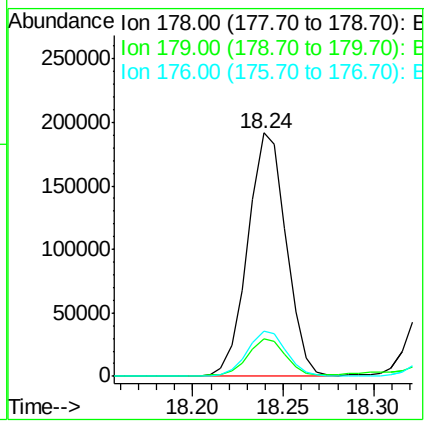




#13
Phenanthrene
Concen: 5.88 ng/ul
RT: 18.24 min Scan# 2576
Delta R.T. -0.01 min
Lab File: BM002371.D
Acq: 12 Aug 2015 21:22

Tgt Ion:178 Resp: 280097

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.3	18.5
176	18.7	15.3	22.9



Instrument :
BNA_M
ClientSampleId :
D9D01

Manual Integrations APPROVED
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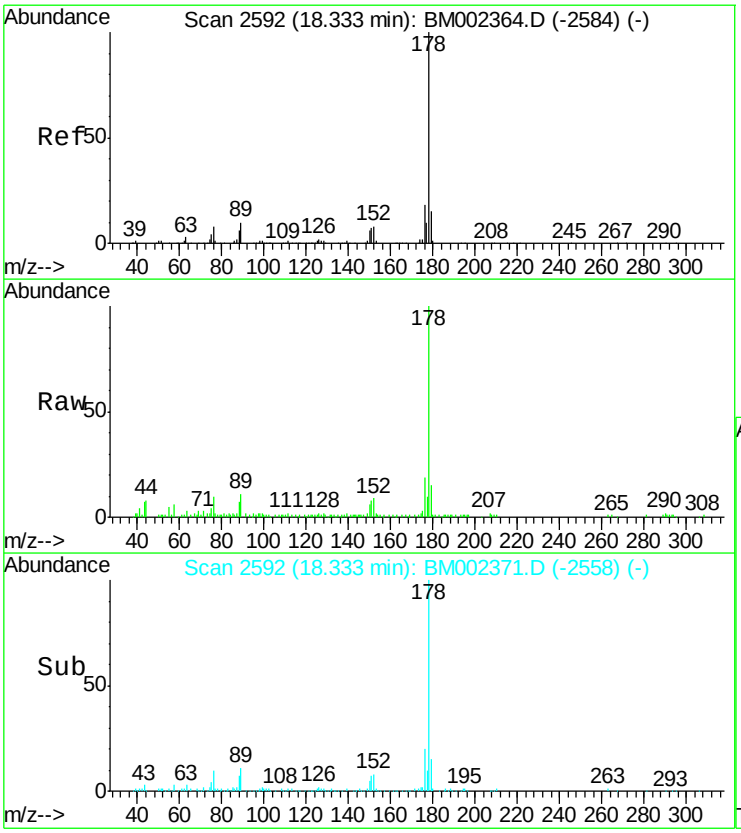
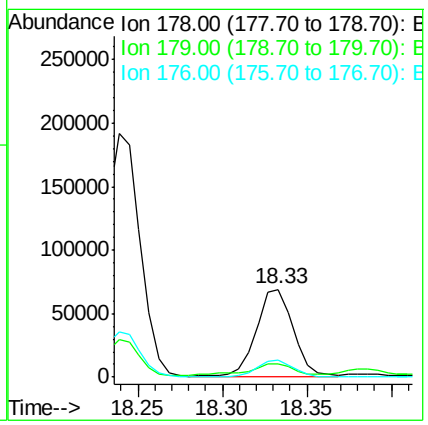
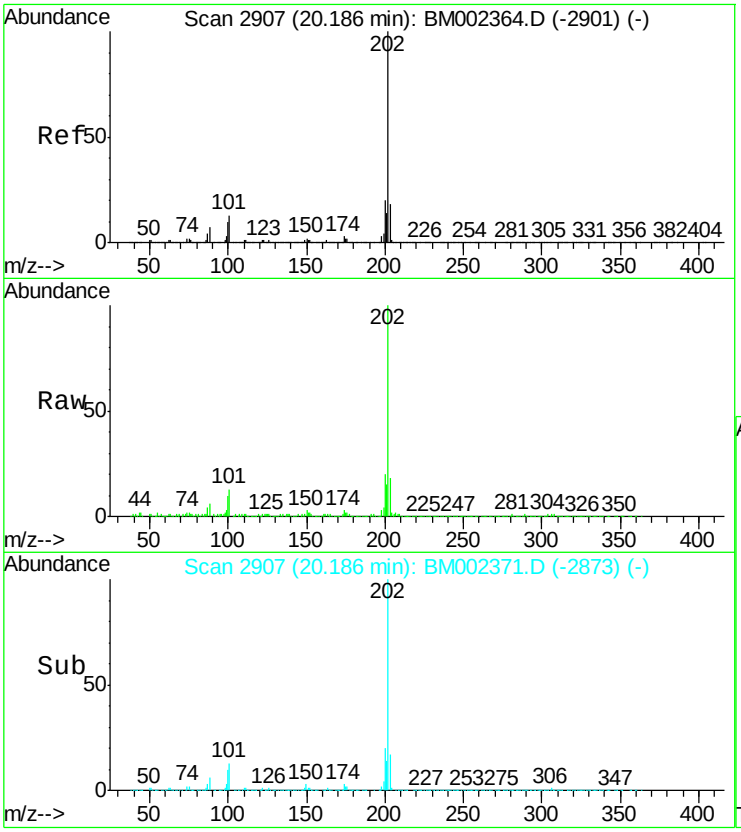


#15
Anthracene
Concen: 2.09 ng/ul
RT: 18.33 min Scan# 2592
Delta R.T. 0.00 min
Lab File: BM002371.D
Acq: 12 Aug 2015 21:22

Tgt Ion:178 Resp: 102716

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	19.4	14.5	21.7

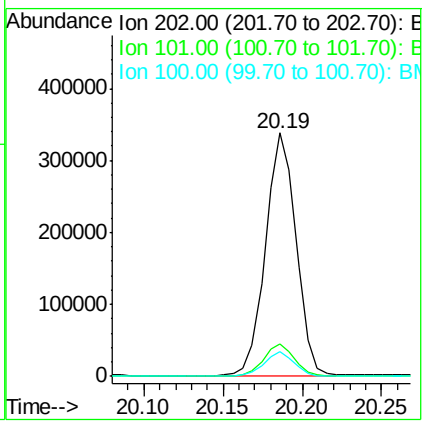




#16
Fluoranthene
Concen: 8.60 ng/ul
RT: 20.19 min Scan# 2907
Delta R.T. 0.00 min
Lab File: BM002371.D
Acq: 12 Aug 2015 21:22

Tgt Ion:202 Resp: 453612

Ion	Ratio	Lower	Upper
202	100		
101	13.2	10.6	15.8
100	10.0	8.2	12.4



Instrument :
BNA_M
ClientSampleId :
D9D01

Manual Integrations APPROVED
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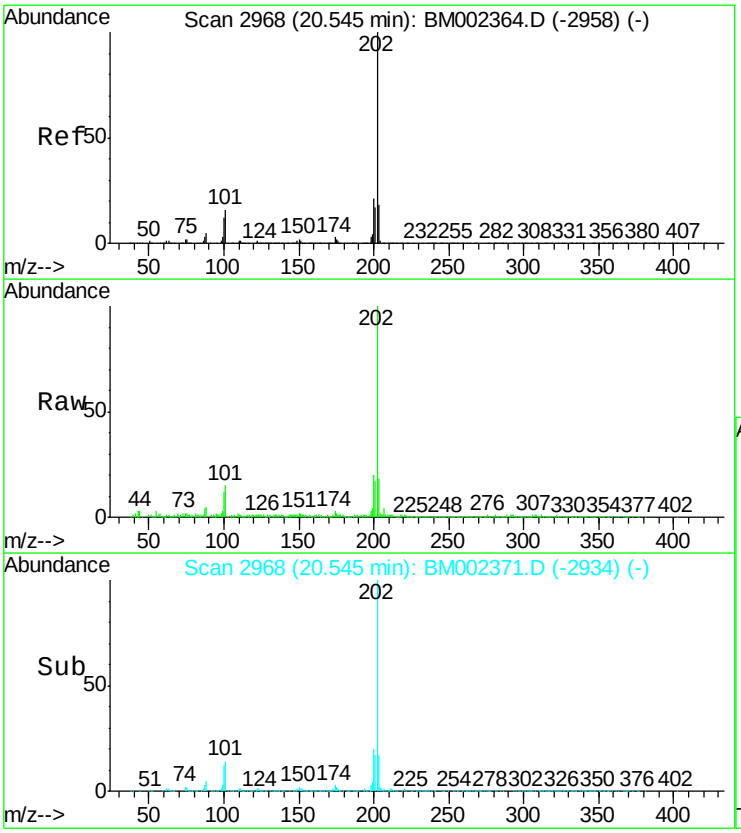
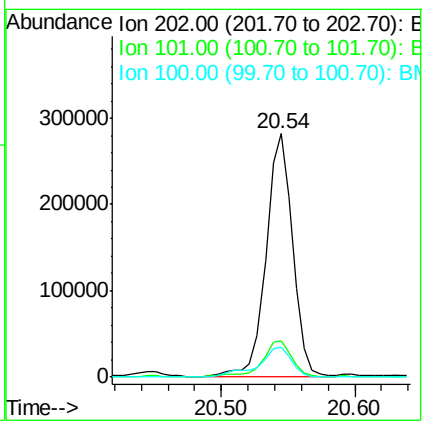
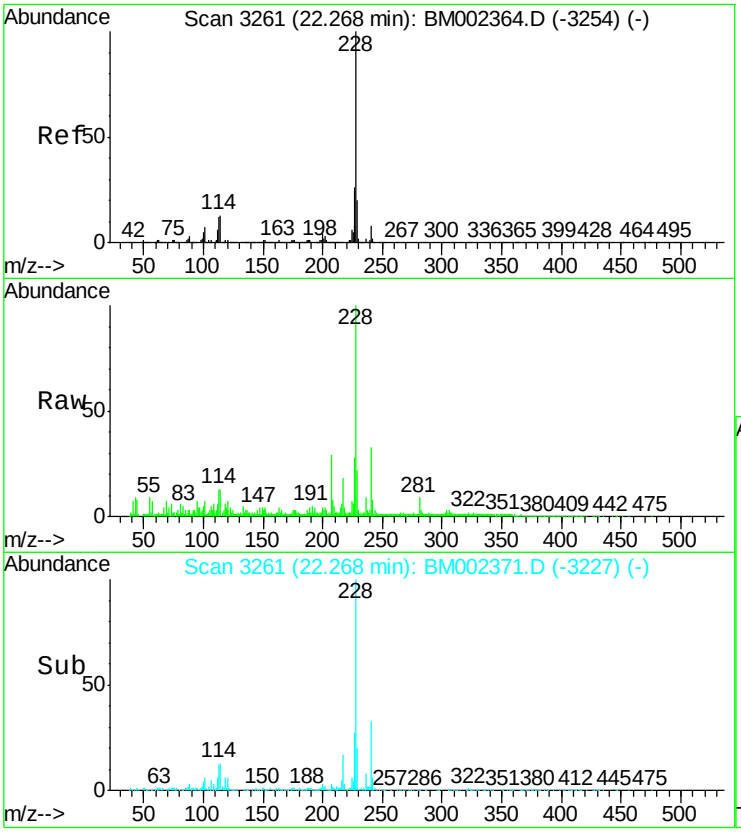


#19
Pyrene
Concen: 9.86 ng/ul
RT: 20.54 min Scan# 2968
Delta R.T. 0.00 min
Lab File: BM002371.D
Acq: 12 Aug 2015 21:22

Tgt Ion:202 Resp: 388663

Ion	Ratio	Lower	Upper
202	100		
101	14.6	13.0	19.6
100	12.3	11.0	16.4

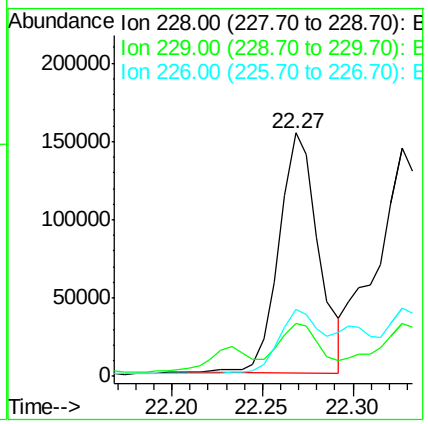




#20
Benzo(a)anthracene
Concen: 6.29 ng/ul
RT: 22.27 min Scan# 3261
Delta R.T. 0.00 min
Lab File: BM002371.D
Acq: 12 Aug 2015 21:22

Tgt Ion:228 Resp: 233923

Ion	Ratio	Lower	Upper
228	100		
229	21.8	15.7	23.5
226	27.6	21.4	32.0



Instrument :
BNA_M
ClientSampleId :
D9D01

Manual Integrations APPROVED
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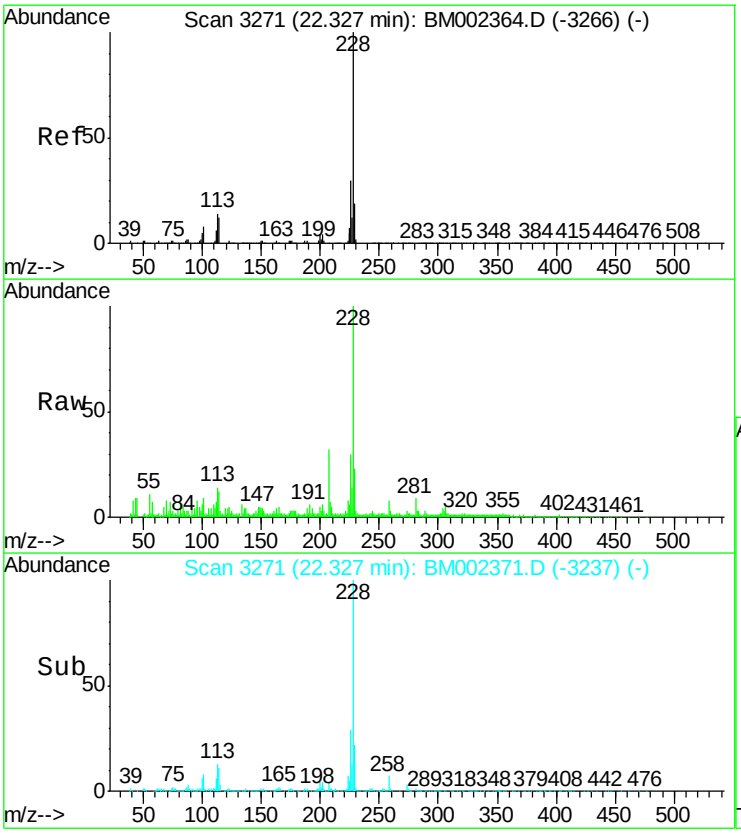
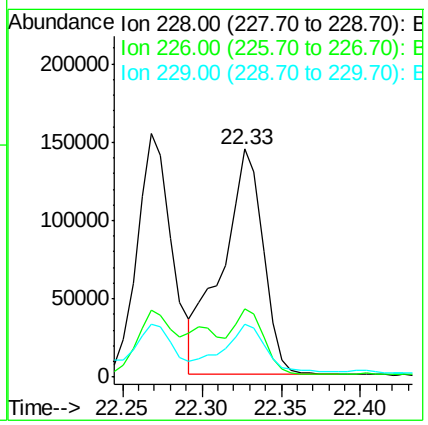
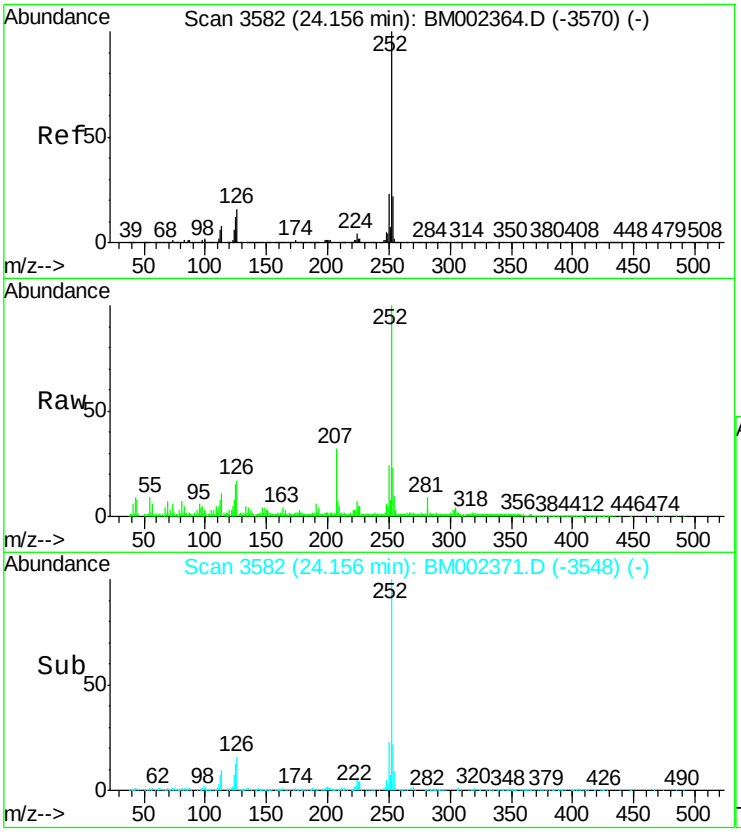


#21
Chrysene
Concen: 7.37 ng/ul
RT: 22.33 min Scan# 3271
Delta R.T. 0.00 min
Lab File: BM002371.D
Acq: 12 Aug 2015 21:22

Tgt Ion:228 Resp: 259699

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.4	35.0
229	23.3	15.5	23.3

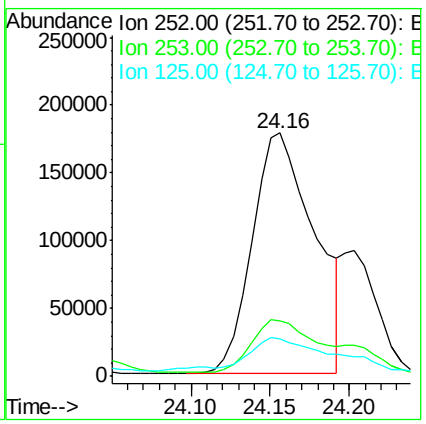




#23
Benzo(b)fluoranthene
Concen: 12.51 ng/ul
RT: 24.16 min Scan# 3582
Delta R.T. 0.00 min
Lab File: BM002371.D
Acq: 12 Aug 2015 21:22

Tgt Ion:252 Resp: 486047

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	15.3	10.3	15.5



Instrument :
BNA_M
ClientSampleId :
D9D01

Manual Integrations APPROVED
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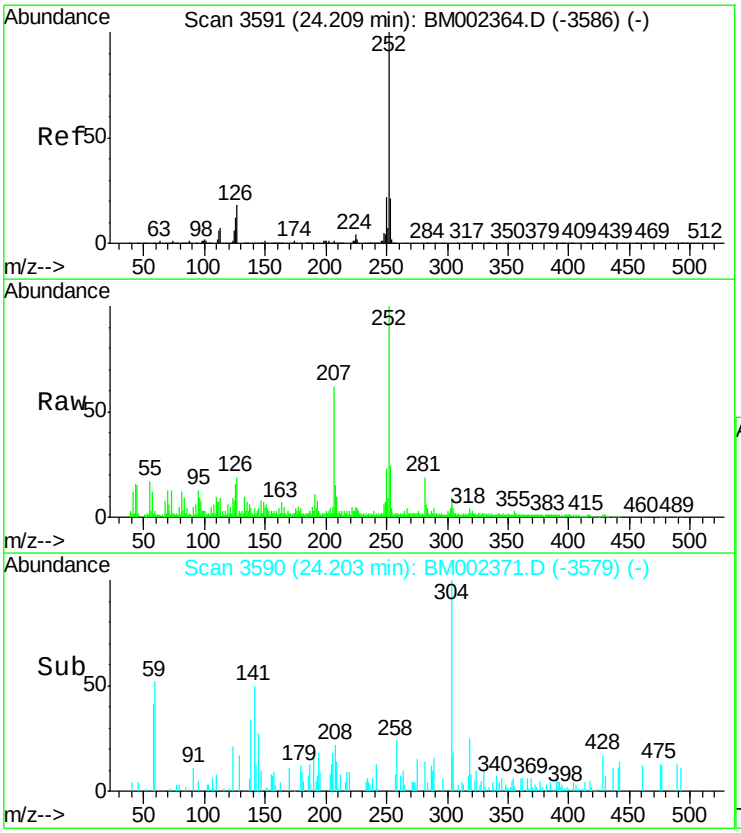
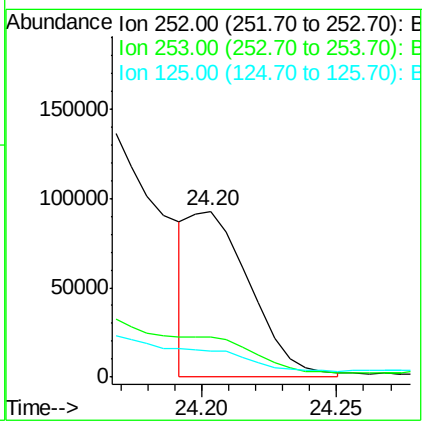
8/13/2015 10:58:10 AM

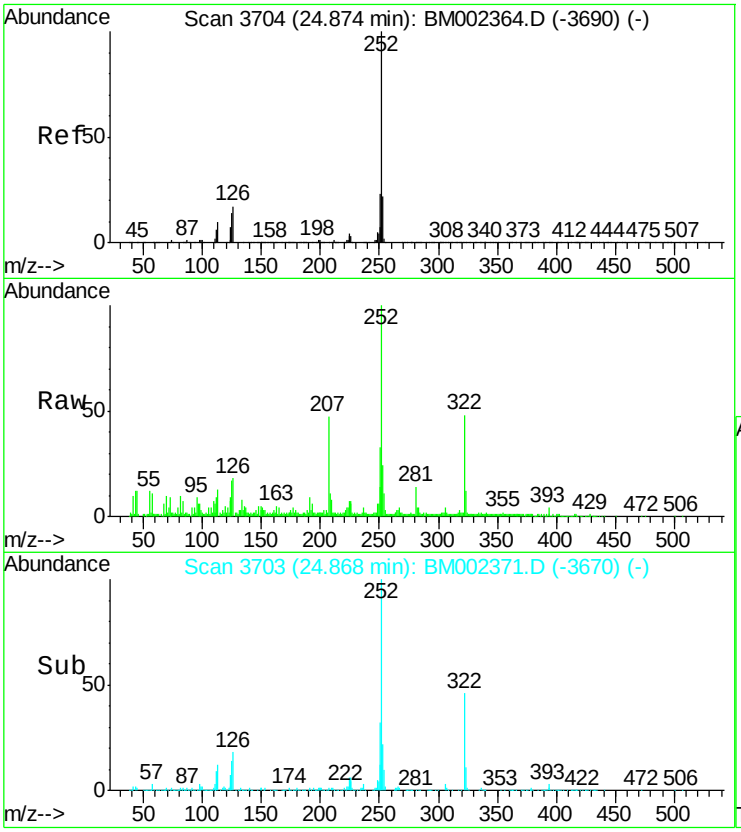


#24
Benzo(k)fluoranthene
Concen: 3.88 ng/ul m
RT: 24.20 min Scan# 3590
Delta R.T. -0.01 min
Lab File: BM002371.D
Acq: 12 Aug 2015 21:22

Tgt Ion:252 Resp: 144828

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.3	25.9
125	16.0	10.2	15.4#

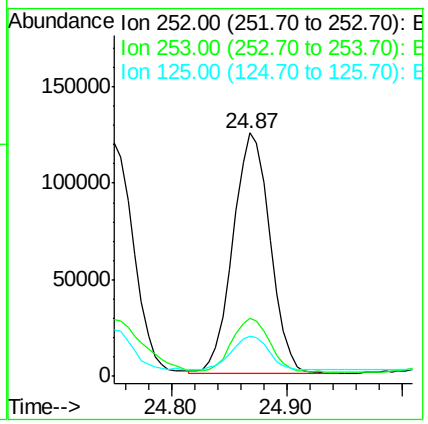




#26
Benzo(a)pyrene
Concen: 7.48 ng/ul
RT: 24.87 min Scan# 3703
Delta R.T. -0.01 min
Lab File: BM002371.D
Acq: 12 Aug 2015 21:22

Tgt Ion:252 Resp: 278065

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.3	25.9
125	16.6	11.0	16.6#



Instrument :
BNA_M
ClientSampleId :
D9D01

Manual Integrations APPROVED
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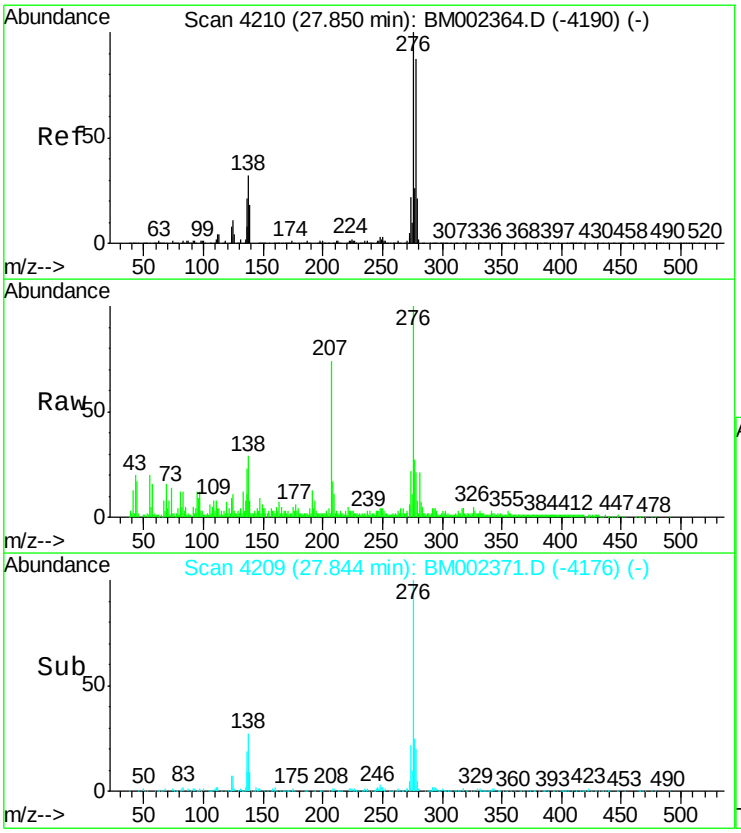
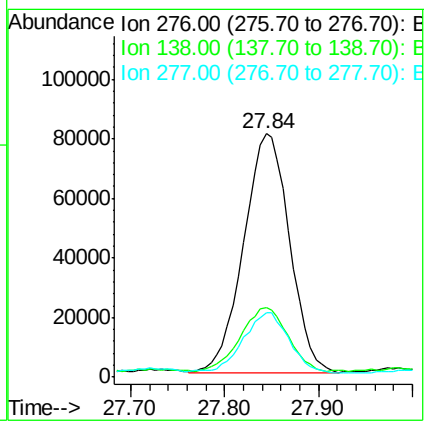
8/13/2015 10:58:10 AM

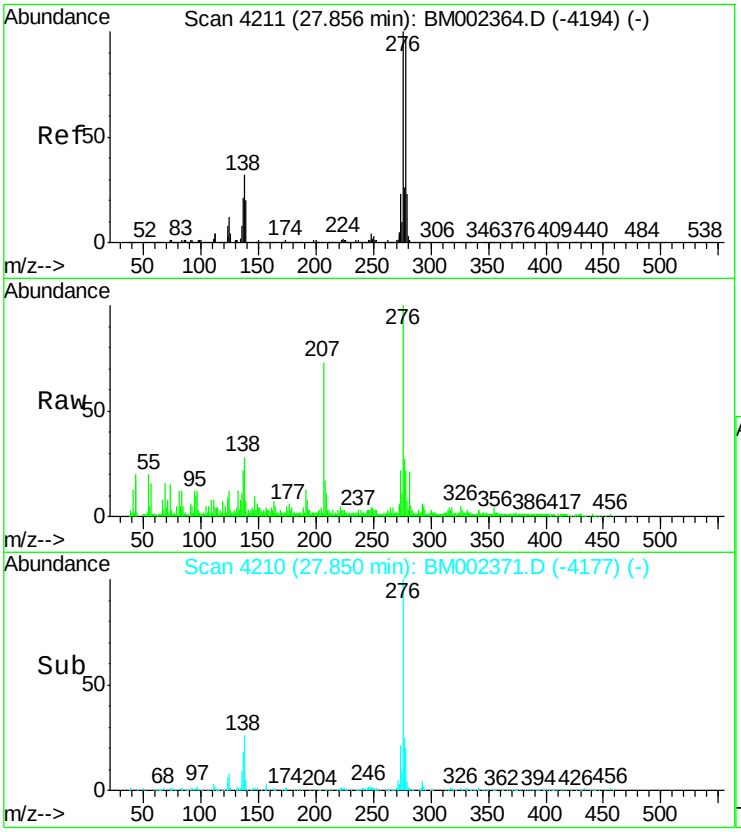


#27
Indeno(1,2,3-cd)pyrene
Concen: 6.34 ng/ul
RT: 27.84 min Scan# 4209
Delta R.T. -0.01 min
Lab File: BM002371.D
Acq: 12 Aug 2015 21:22

Tgt Ion:276 Resp: 270305

Ion	Ratio	Lower	Upper
276	100		
138	28.8	25.6	38.4
277	26.5	21.0	31.4





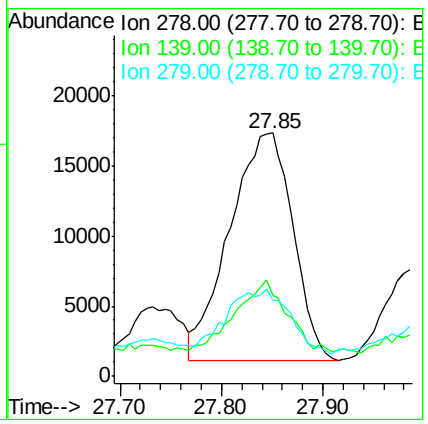
#28
Dibenzo(a,h)anthracene
Concen: 1.95 ng/ul
RT: 27.85 min Scan# 4210
Delta R.T. -0.01 min
Lab File: BM002371.D
Acq: 12 Aug 2015 21:22

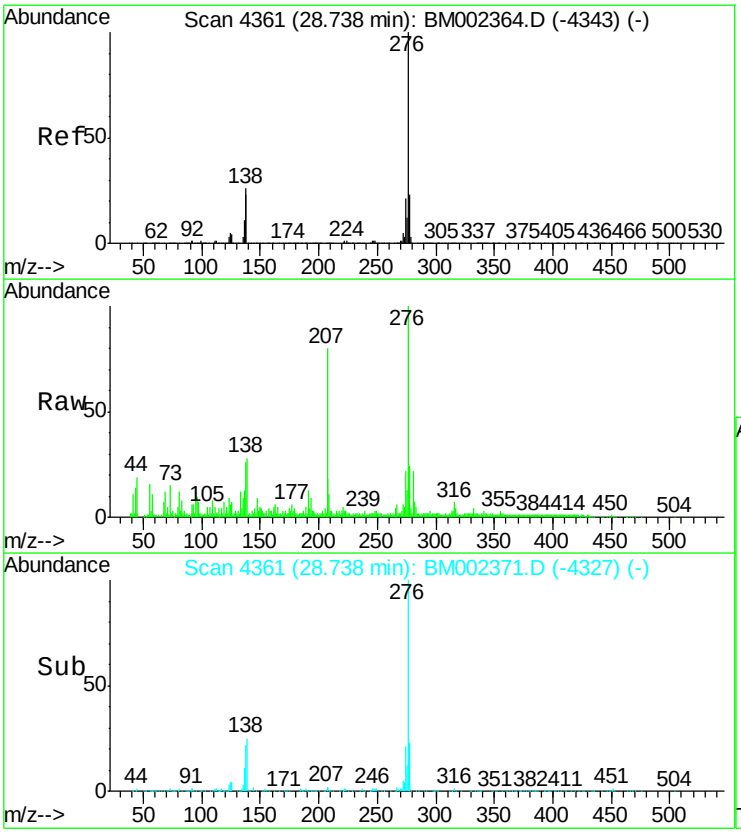
Tgt Ion:278 Resp: 70387

Ion	Ratio	Lower	Upper
278	100		
139	33.3	16.4	24.6#
279	31.3	18.8	28.2#

Instrument :
BNA_M
ClientSampleId :
D9D01

Manual Integrations APPROVED
MMDadoda
8/13/2015 10:58:10 AM





#29
Benzo(g,h,i)perylene
Concen: 7.64 ng/ul
RT: 28.74 min Scan# 4361
Delta R.T. 0.00 min
Lab File: BM002371.D
Acq: 12 Aug 2015 21:22

Tgt Ion:276 Resp: 274656

Ion	Ratio	Lower	Upper
276	100		
138	27.9	20.5	30.7
277	23.9	19.0	28.6