Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080715\
Data File : BM002271.D
Acq On : 08 Aug 2015 11:34
Operator : TP/UM
Sample : G3161-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9C48

Manual Integrations APPROVED
MMDadoda
8/10/2015 7:13:30 PM

Quant Time: Aug 09 05:43:23 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 09 05:31:20 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	274824	20.00	ng/ul	0.00
2) Naphthalene-d8	11.80	136	1317542	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.50	164	689963	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.21	188	1361311	20.00	ng/ul	0.00
17) Chrysene-d12	22.29	240	1254780	20.00	ng/ul	0.00
22) Perylene-d12	24.99	264	1027822	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.20	160	1190984	16.66	ng/ul	0.00
10) Fluorene-d10	16.47	176	762967	15.35	ng/ul	0.00
14) Anthracene-d10	18.30	188	1049873	15.89	ng/ul	0.00
18) Pyrene-d10	20.52	212	1022293	16.80	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.81	264	749461	13.73	ng/ul	0.00
Target Compounds						Qvalue
4) 2-Methylnaphthalene	13.39	142	54534	1.10	ng/ul	99
13) Phenanthrene	18.25	178	159988	2.04	ng/ul	99
16) Fluoranthene	20.19	202	341504	3.94	ng/ul	98
19) Pyrene	20.55	202	324442	4.00	ng/ul	98
20) Benzo(a)anthracene	22.27	228	270068	3.53	ng/ul	98
21) Chrysene	22.33	228	295945	4.08	ng/ul	96
23) Benzo(b)fluoranthene	24.16	252	531452	8.32	ng/ul	98
24) Benzo(k)fluoranthene	24.20	252	161716m	2.64	ng/ul	
26) Benzo(a)pyrene	24.87	252	310932	5.09	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.83	276	266810	3.81	ng/ul	93
28) Dibenzo(a,h)anthracene	27.83	278	74331	1.25	ng/ul#	75
29) Benzo(g,h,i)perylene	28.71	276	245363	4.15	ng/ul	98

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

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Instrument :
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Manual Integrations APPROVED
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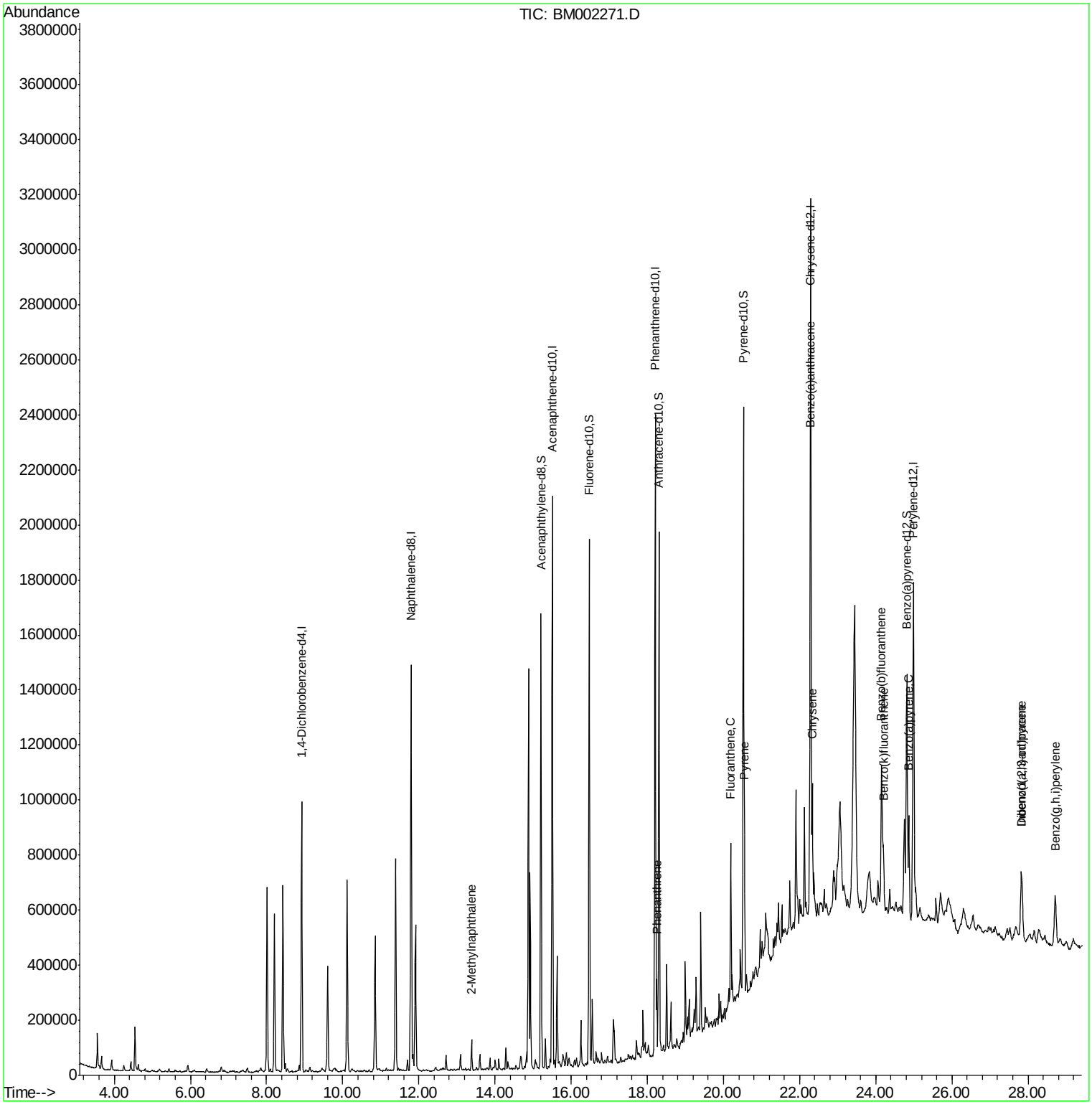

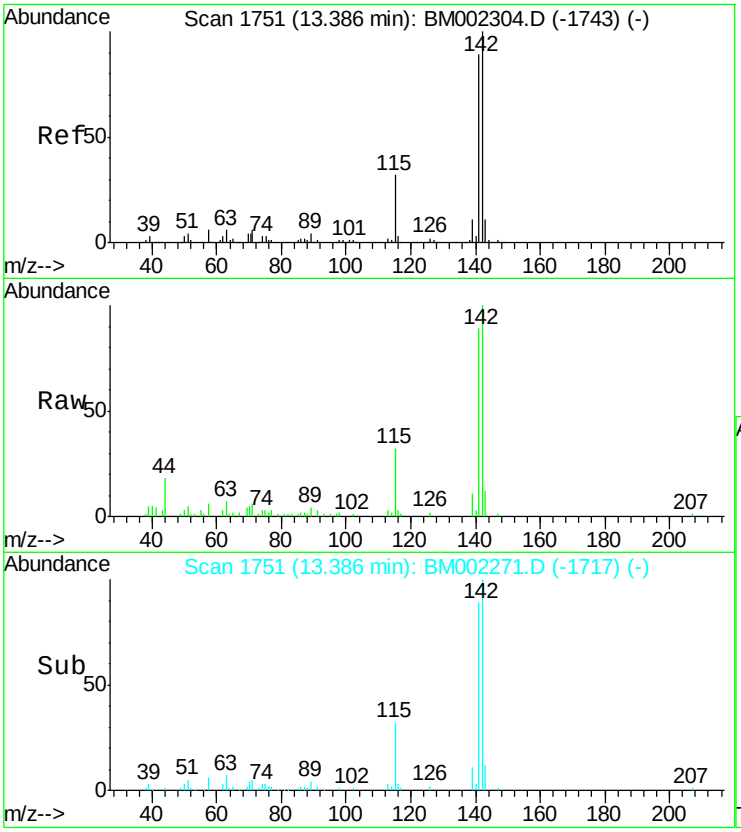

#4
2-Methylnaphthalene
Concen: 1.10 ng/ul
RT: 13.39 min Scan# 1751
Delta R.T. -0.00 min
Lab File: BM002271.D
Acq: 08 Aug 2015 11:34

Tgt Ion:142 Resp: 54534

Ion	Ratio	Lower	Upper
142	100		
141	89.3	72.5	108.7

Instrument :
BNA_M
ClientSampleId :
D9C48

Manual Integrations APPROVED
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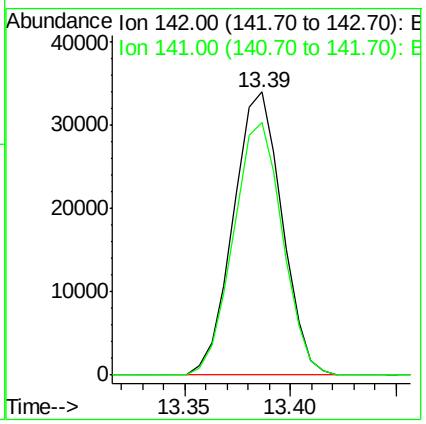
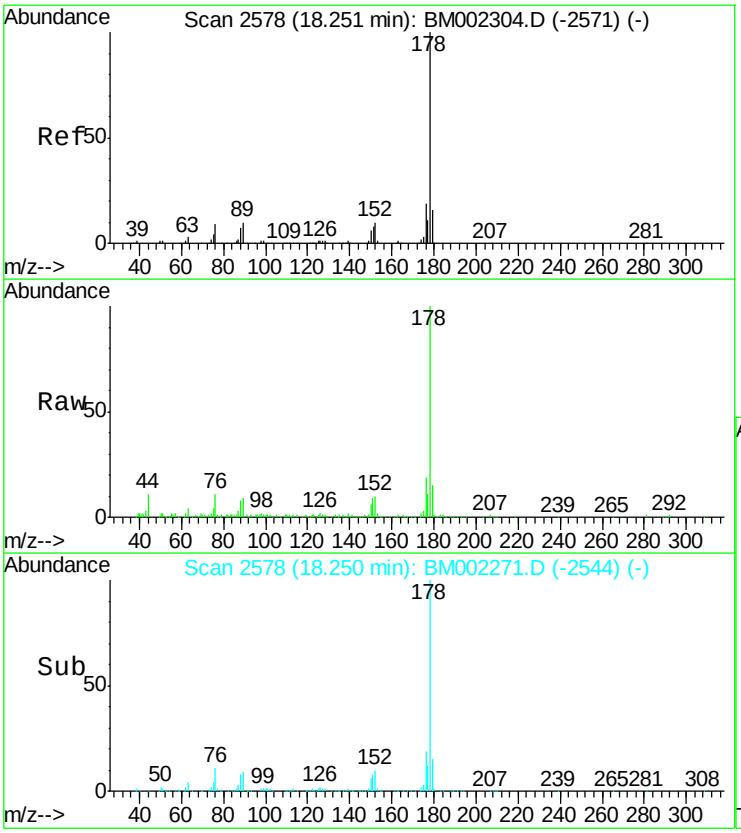
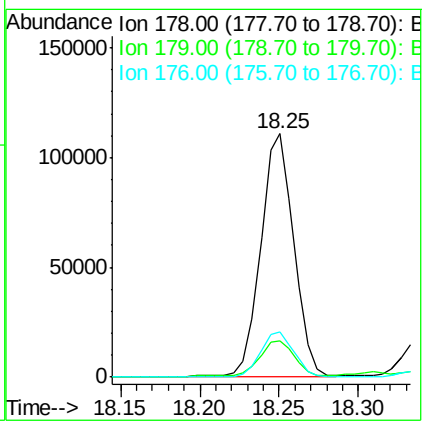


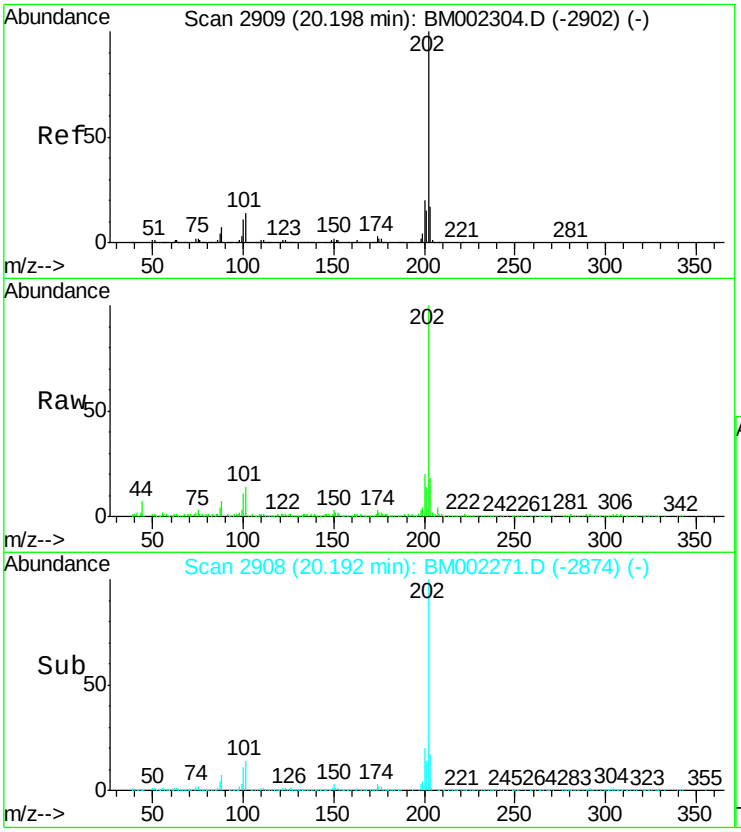


#13
Phenanthrene
Concen: 2.04 ng/ul
RT: 18.25 min Scan# 2578
Delta R.T. -0.00 min
Lab File: BM002271.D
Acq: 08 Aug 2015 11:34

Tgt Ion:178 Resp: 159988

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.3	18.5
176	18.6	15.3	22.9

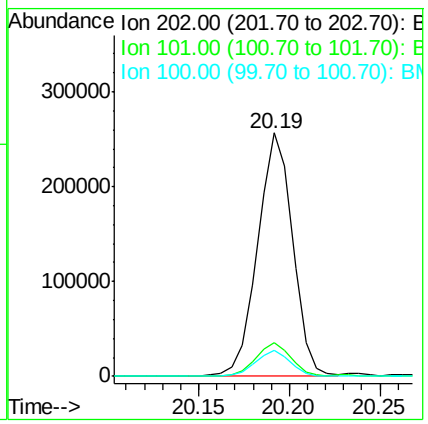




#16
Fluoranthene
Concen: 3.94 ng/ul
RT: 20.19 min Scan# 2908
Delta R.T. -0.00 min
Lab File: BM002271.D
Acq: 08 Aug 2015 11:34

Tgt Ion:202 Resp: 341504

Ion	Ratio	Lower	Upper
202	100		
101	14.1	10.6	15.8
100	10.8	8.2	12.4



Instrument :
BNA_M
ClientSampleId :
D9C48

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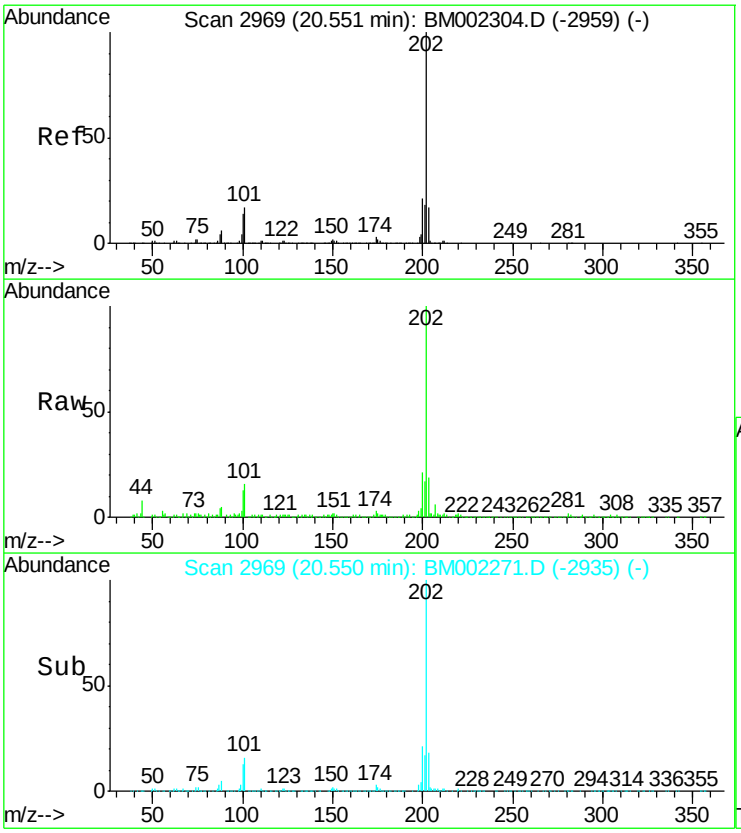
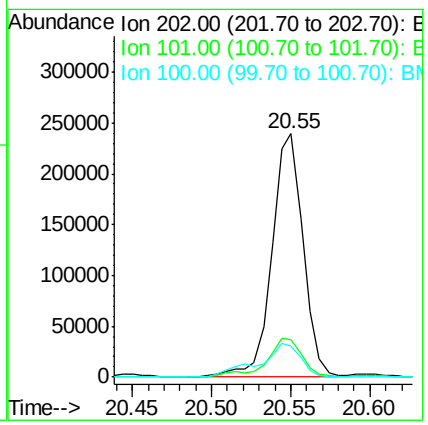
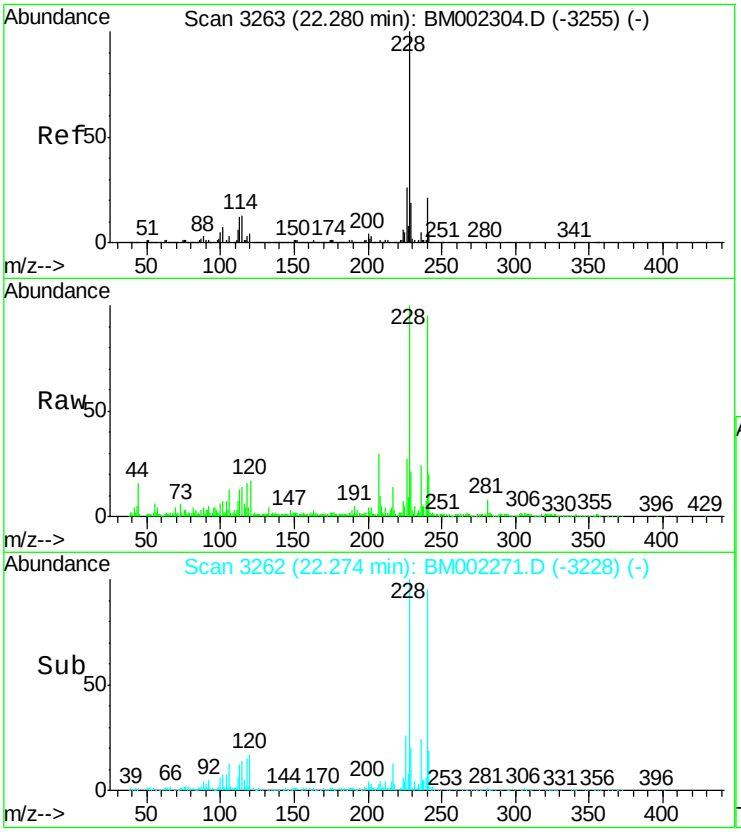


#19
Pyrene
Concen: 4.00 ng/ul
RT: 20.55 min Scan# 2969
Delta R.T. -0.00 min
Lab File: BM002271.D
Acq: 08 Aug 2015 11:34

Tgt Ion:202 Resp: 324442

Ion	Ratio	Lower	Upper
202	100		
101	15.7	13.0	19.6
100	12.6	11.0	16.4





#20
Benzo(a)anthracene
Concen: 3.53 ng/ul
RT: 22.27 min Scan# 3262
Delta R.T. -0.00 min
Lab File: BM002271.D
Acq: 08 Aug 2015 11:34

Tgt Ion:228 Resp: 270068

Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.7	23.5
226	26.8	21.4	32.0

Instrument :
BNA_M
ClientSampleId :
D9C48

Manual Integrations APPROVED
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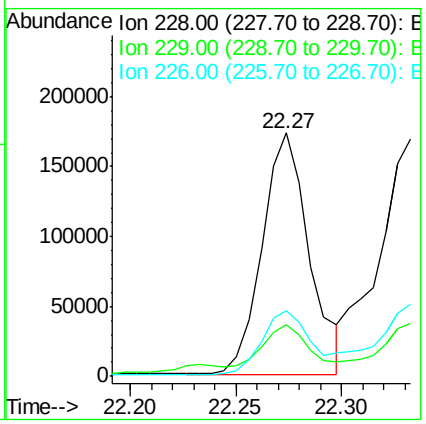
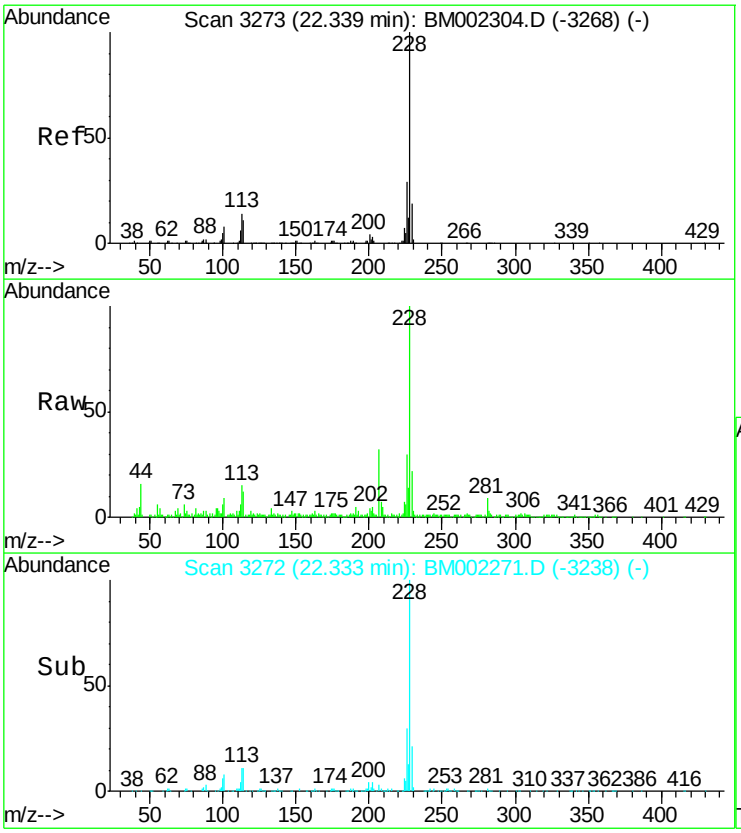
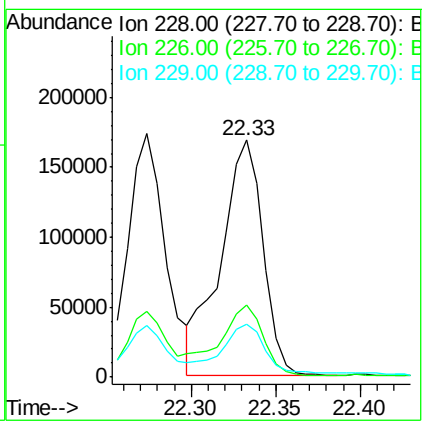


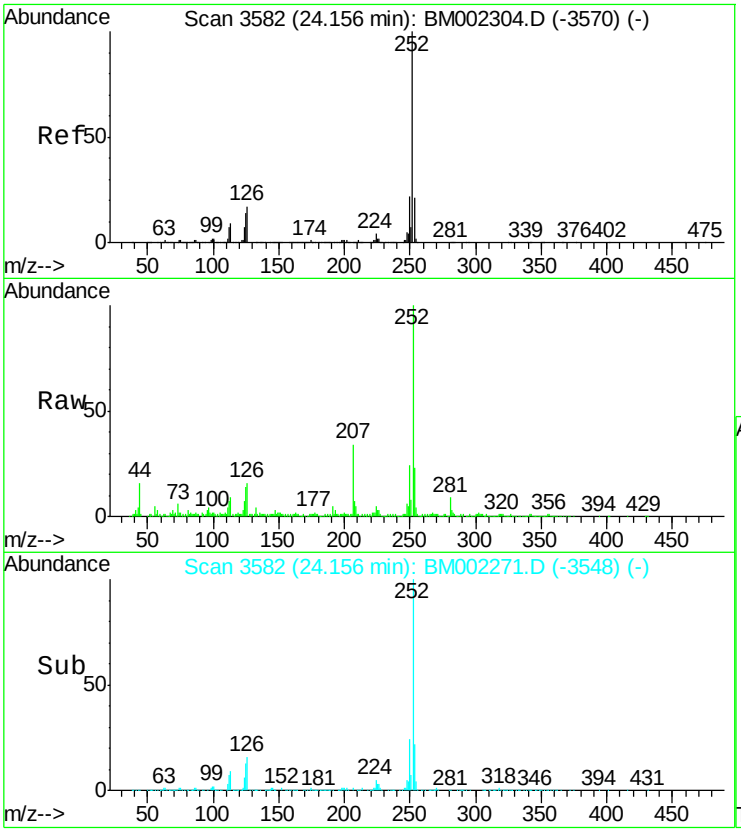


#21
Chrysene
Concen: 4.08 ng/ul
RT: 22.33 min Scan# 3272
Delta R.T. -0.00 min
Lab File: BM002271.D
Acq: 08 Aug 2015 11:34

Tgt Ion:228 Resp: 295945

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.4	35.0
229	22.3	15.5	23.3

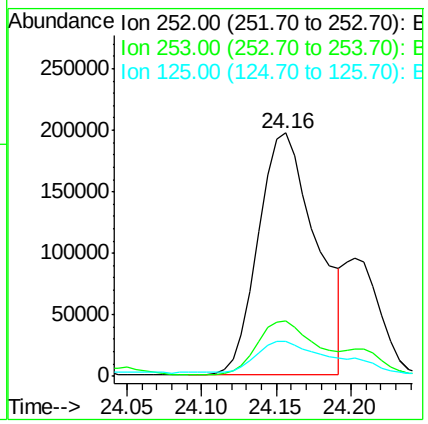




#23
Benzo(b)fluoranthene
Concen: 8.32 ng/ul
RT: 24.16 min Scan# 3582
Delta R.T. -0.00 min
Lab File: BM002271.D
Acq: 08 Aug 2015 11:34

Tgt Ion:252 Resp: 531452

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	14.4	10.3	15.5



Instrument :
BNA_M
ClientSampleId :
D9C48

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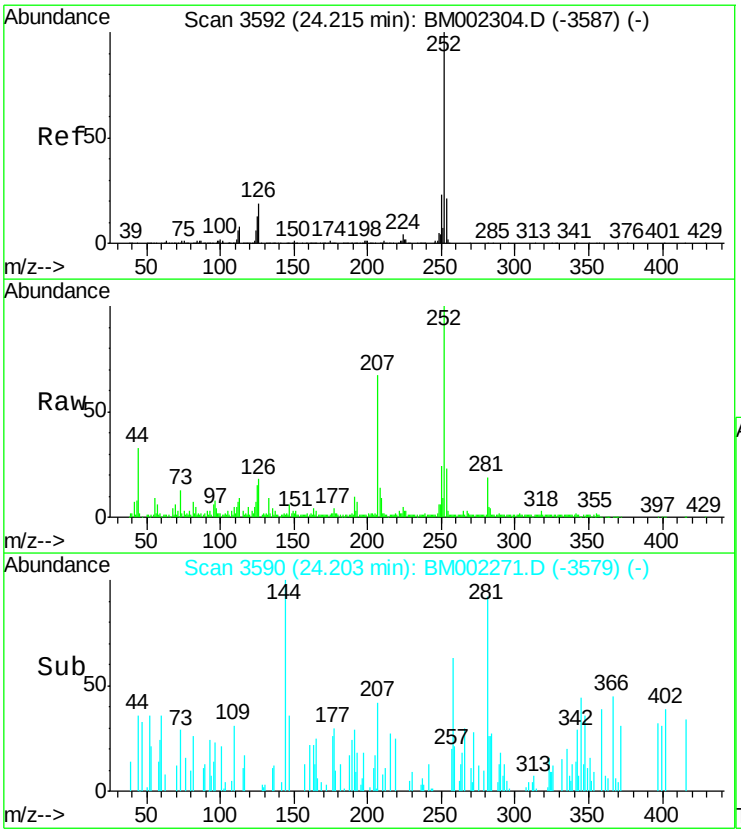
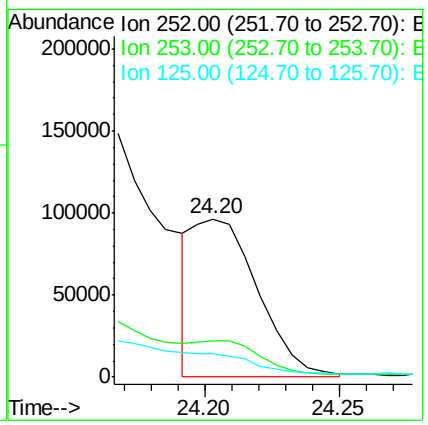
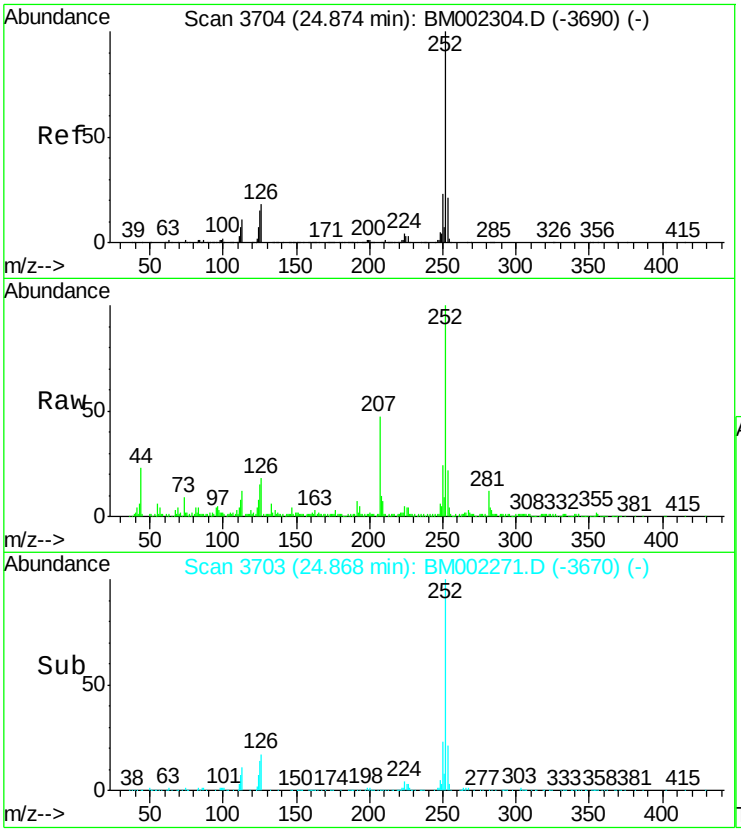


#24
Benzo(k)fluoranthene
Concen: 2.64 ng/ul m
RT: 24.20 min Scan# 3590
Delta R.T. -0.01 min
Lab File: BM002271.D
Acq: 08 Aug 2015 11:34

Tgt Ion:252 Resp: 161716

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.3	25.9
125	14.9	10.2	15.4

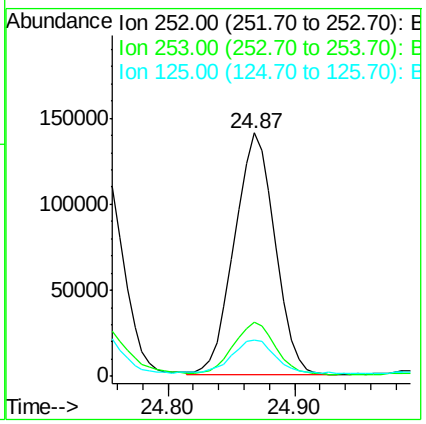




#26
Benzo(a)pyrene
Concen: 5.09 ng/ul
RT: 24.87 min Scan# 3703
Delta R.T. -0.01 min
Lab File: BM002271.D
Acq: 08 Aug 2015 11:34

Tgt Ion:252 Resp: 310932

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.3	25.9
125	15.0	11.0	16.6



Instrument :
BNA_M
ClientSampleId :
D9C48

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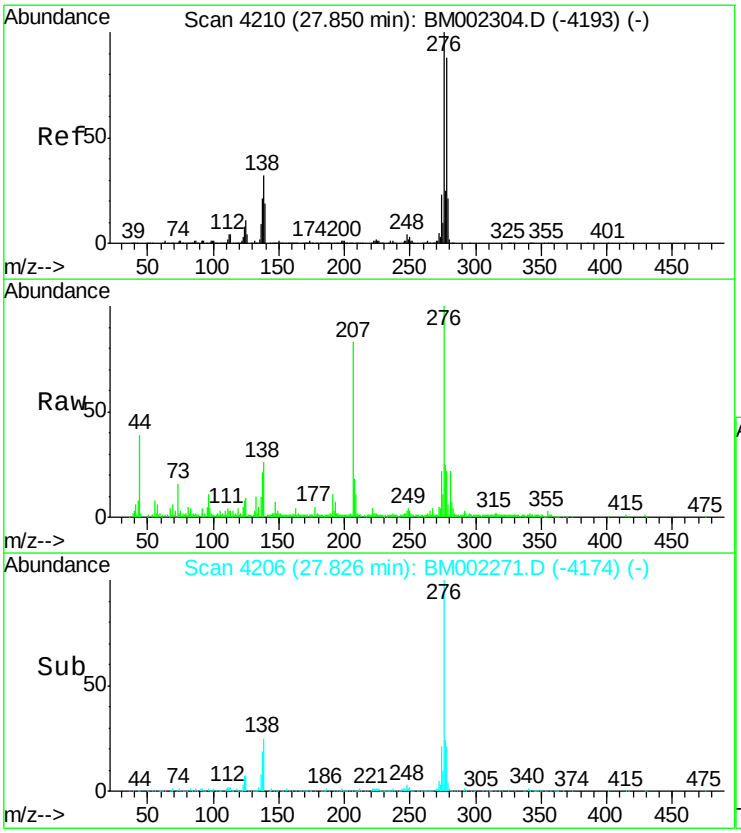
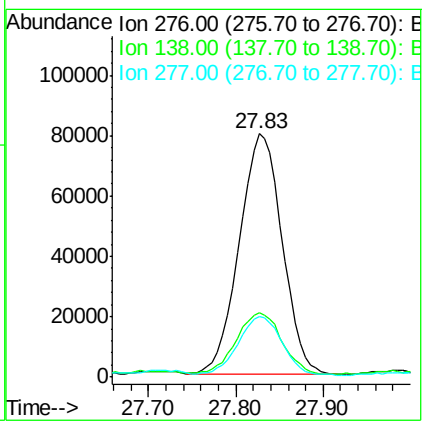
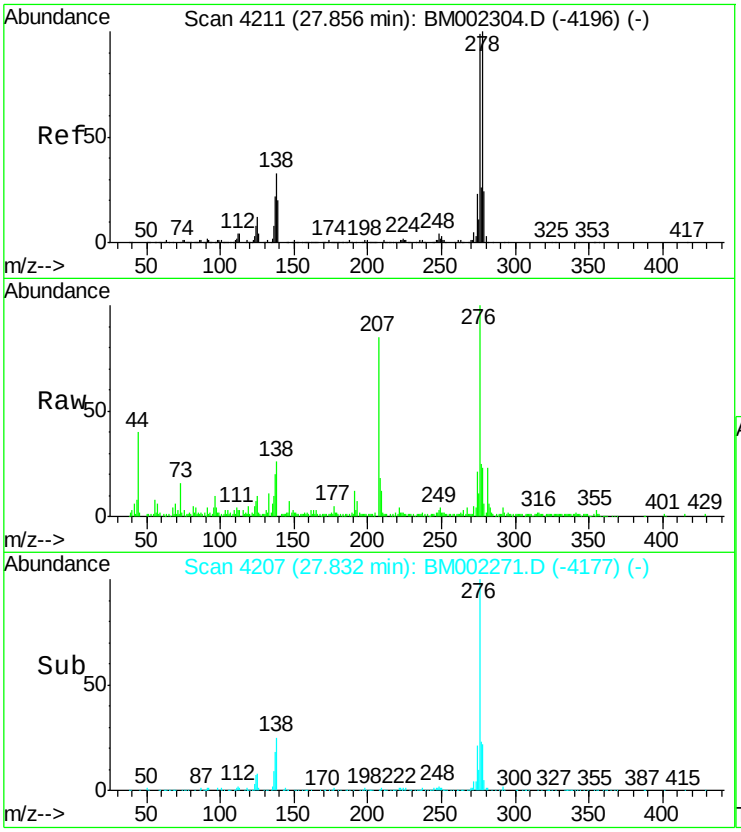


#27
Indeno(1,2,3-cd)pyrene
Concen: 3.81 ng/ul
RT: 27.83 min Scan# 4206
Delta R.T. -0.01 min
Lab File: BM002271.D
Acq: 08 Aug 2015 11:34

Tgt Ion:276 Resp: 266810

Ion	Ratio	Lower	Upper
276	100		
138	26.2	25.6	38.4
277	24.8	21.0	31.4

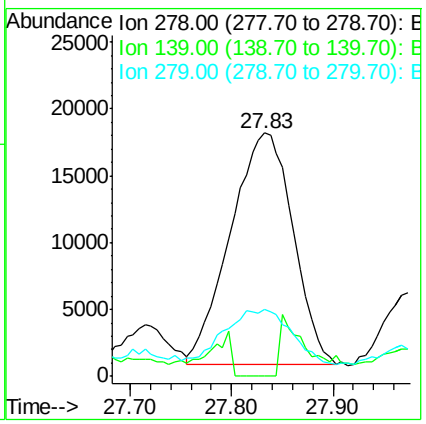




#28
Dibenzo(a,h)anthracene
Concen: 1.25 ng/ul
RT: 27.83 min Scan# 4207
Delta R.T. -0.02 min
Lab File: BM002271.D
Acq: 08 Aug 2015 11:34

Tgt Ion:278 Resp: 74331

Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.4	24.6#
279	27.3	18.8	28.2



Instrument :
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ClientSampleId :
D9C48

Manual Integrations APPROVED
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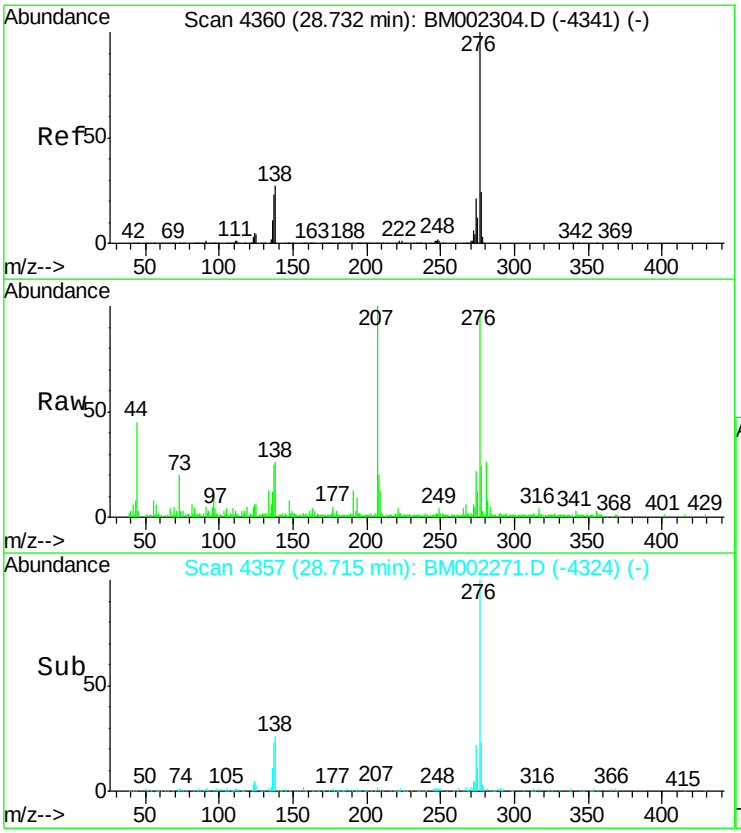
8/10/2015 7:13:30 PM



#29
Benzo(g,h,i)perylene
Concen: 4.15 ng/ul
RT: 28.71 min Scan# 4357
Delta R.T. -0.01 min
Lab File: BM002271.D
Acq: 08 Aug 2015 11:34

Tgt Ion:276 Resp: 245363

Ion	Ratio	Lower	Upper
276	100		
138	26.8	20.5	30.7
277	24.4	19.0	28.6