Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080616\
Data File : BM006970.D
Acq On : 07 Aug 2016 11:06
Operator : UM/SJ
Sample : H4302-08
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA0H2

Manual Integrations APPROVED
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8/8/2016 7:06:22 PM

Quant Time: Aug 08 05:04:58 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	217510	20.00	ng/ul	0.00
7) Naphthalene-d8	10.32	136	1043087	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.20	164	698738	20.00	ng/ul	0.00
23) Phenanthrene-d10	16.96	188	1641968	20.00	ng/ul	0.00
29) Chrysene-d12	21.17	240	1584393	20.00	ng/ul	0.00
34) Perylene-d12	23.36	264	1194556	20.00	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.09	96	10384	2.18	ng/uL	0.00
3) Phenol-d5	6.76	99	463372	22.47	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.90	67	340025	26.29	ng/ul	0.00
5) 2-Chlorophenol-d4	7.09	132	373268	25.35	ng/ul	0.00
6) 4-Methylphenol-d8	8.29	113	377601	21.94	ng/ul	0.00
8) Nitrobenzene-d5	8.71	128	212518	27.43	ng/ul	0.00
9) 2-Nitrophenol-d4	9.43	143	229291	24.71	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	9.97	165	419750	23.86	ng/ul	0.00
12) 4-Chloroaniline-d4	10.49	131	509661	24.27	ng/ul	0.00
16) Dimethylphthalate-d6	13.63	166	1597296	25.98	ng/ul	0.00
17) Acenaphthylene-d8	13.90	160	1935357	27.21	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	157377	17.64	ng/ul	0.00
21) Fluorene-d10	15.21	176	1401365	26.81	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.37	200	188490	27.80	ng/ul	0.00
26) Anthracene-d10	17.06	188	2250104	28.36	ng/ul	0.00
30) Pyrene-d10	19.37	212	2795591	37.02	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.22	264	1805139	31.73	ng/ul	0.00
Target Compounds						Qvalue
11) Naphthalene	10.37	128	55551	1.04	ng/ul	97
19) Acenaphthene	14.27	153	58941	1.21	ng/ul	99
25) Phenanthrene	17.00	178	647669	7.05	ng/ul	99
27) Anthracene	17.10	178	122748	1.28	ng/ul	95
28) Fluoranthene	19.03	202	1106778	9.91	ng/ul	98
31) Pyrene	19.40	202	916190m	9.30	ng/ul	
32) Benzo(a)anthracene	21.16	228	468061	4.98	ng/ul	97
33) Chrysene	21.21	228	396256	4.79	ng/ul	97
35) Benzo(b)fluoranthene	22.71	252	503604	6.46	ng/ul	98
36) Benzo(k)fluoranthene	22.74	252	182244m	2.42	ng/ul	
38) Benzo(a)pyrene	23.26	252	343335	4.86	ng/ul#	95
39) Indeno(1,2,3-cd)pyrene	25.53	276	255370	3.56	ng/ul	97
40) Dibenzo(a,h)anthracene	25.53	278	66165m	1.10	ng/ul	
41) Benzo(g,h,i)perylene	26.20	276	254855	4.51	ng/ul	98

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

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 08 03:51:46 2016
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Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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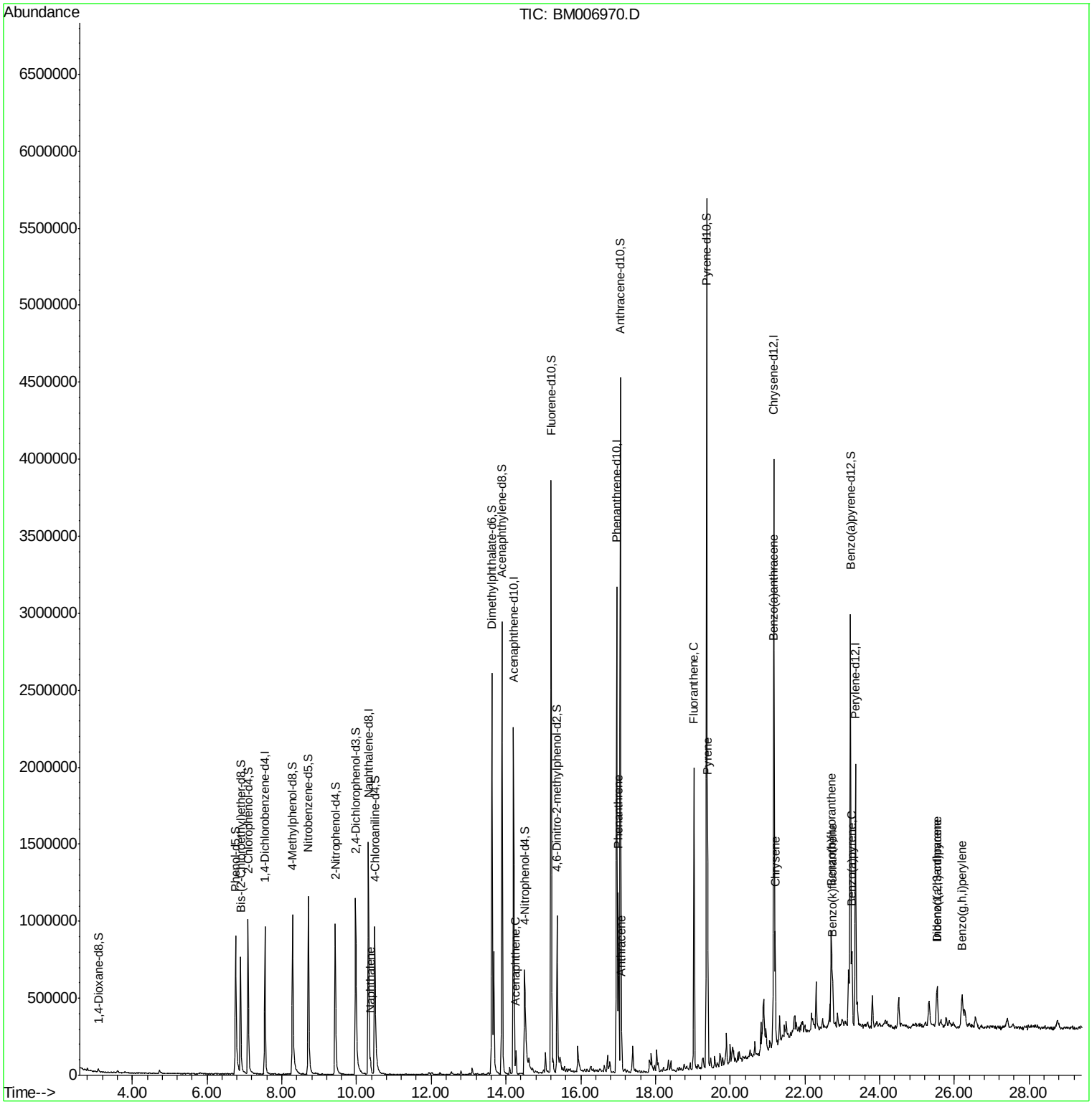
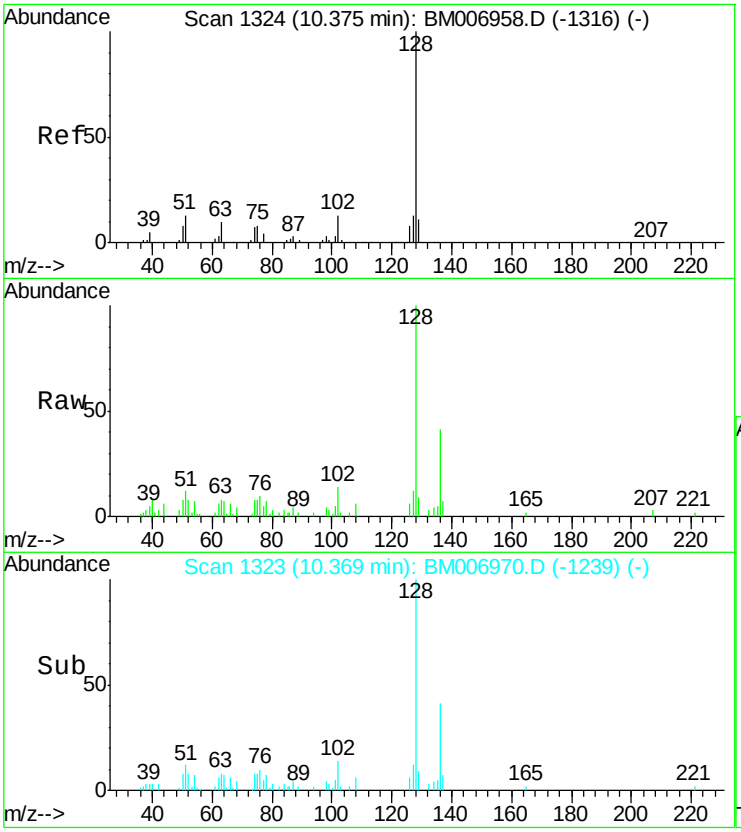
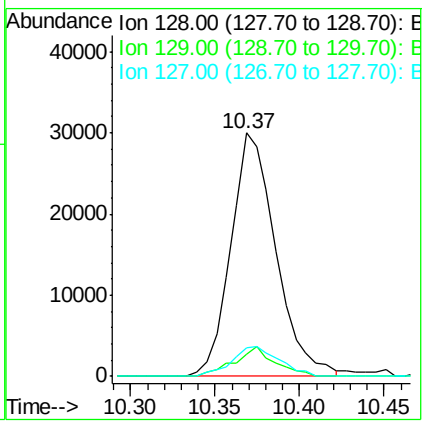




#11
Naphthalene
Concen: 1.04 ng/ul
RT: 10.37 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BM006970.D
Acq: 07 Aug 2016 11:06

Tgt Ion:128 Resp: 55551

Ion	Ratio	Lower	Upper
128	100		
129	9.1	8.6	13.0
127	11.9	9.8	14.8



Instrument :
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ClientSampleId :
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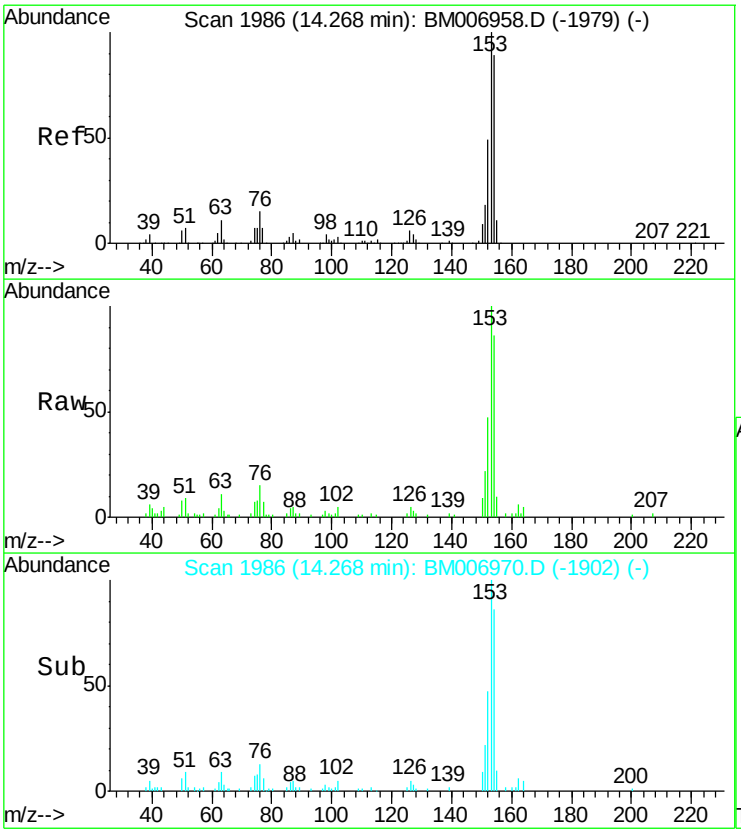
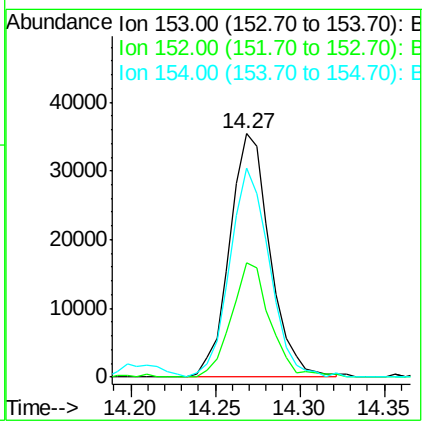
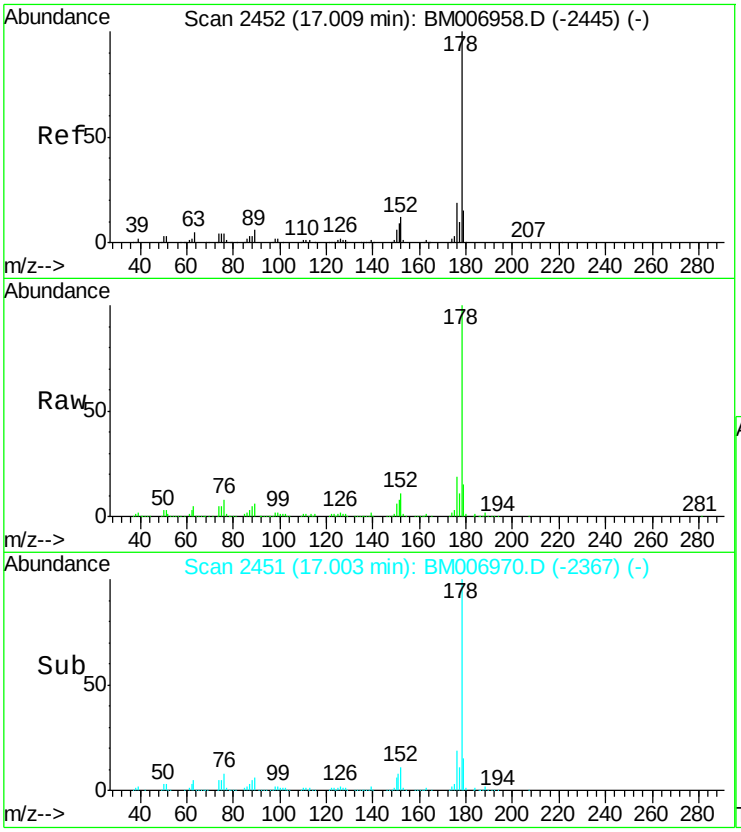


#19
Acenaphthene
Concen: 1.21 ng/ul
RT: 14.27 min Scan# 1986
Delta R.T. -0.01 min
Lab File: BM006970.D
Acq: 07 Aug 2016 11:06

Tgt Ion:153 Resp: 58941

Ion	Ratio	Lower	Upper
153	100		
152	47.0	37.0	55.6
154	86.0	69.3	103.9

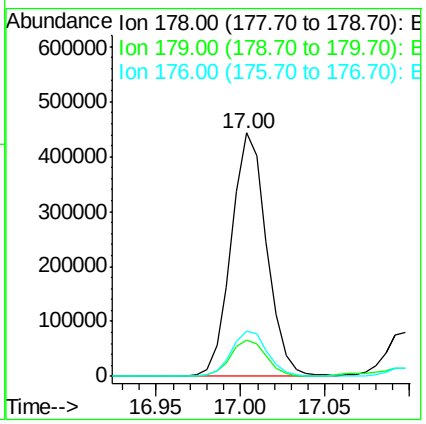




#25
Phenanthrene
Concen: 7.05 ng/ul
RT: 17.00 min Scan# 2451
Delta R.T. -0.01 min
Lab File: BM006970.D
Acq: 07 Aug 2016 11:06

Tgt Ion:178 Resp: 647669

Ion	Ratio	Lower	Upper
178	100		
179	14.7	12.0	18.0
176	18.5	15.0	22.4



Instrument :
BNA_M
ClientSampleId :
DA0H2

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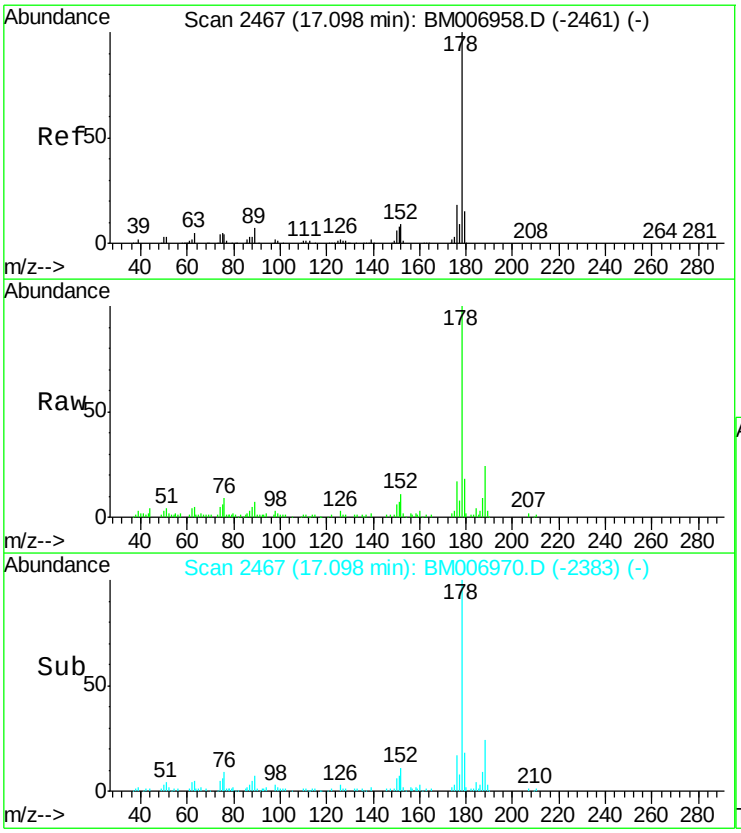
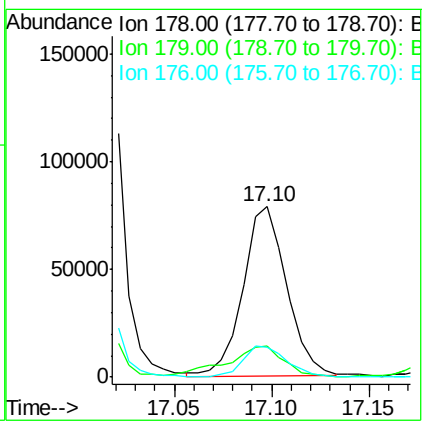
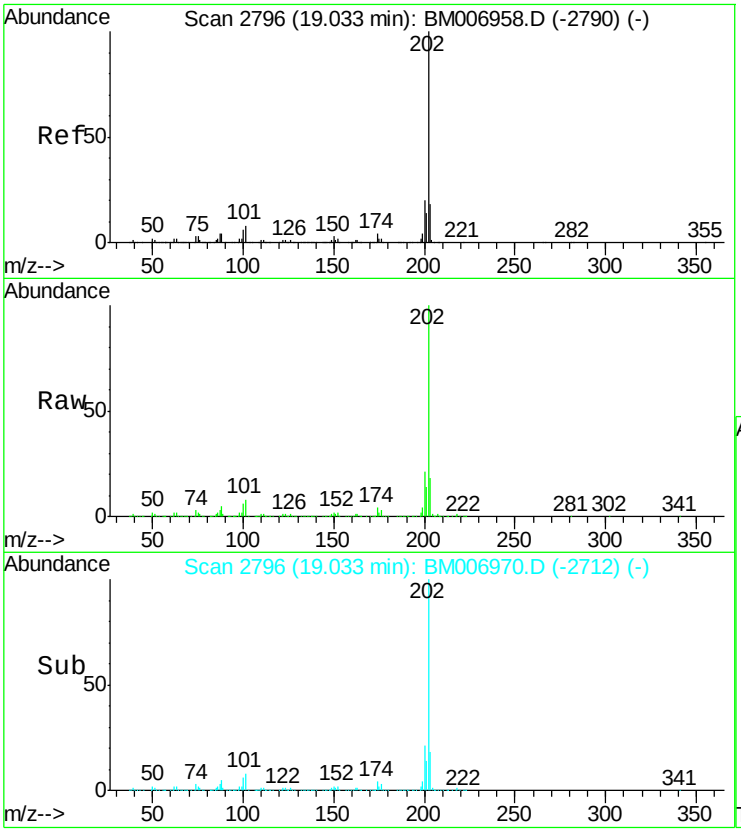


#27
Anthracene
Concen: 1.28 ng/ul
RT: 17.10 min Scan# 2467
Delta R.T. -0.01 min
Lab File: BM006970.D
Acq: 07 Aug 2016 11:06

Tgt Ion:178 Resp: 122748

Ion	Ratio	Lower	Upper
178	100		
179	18.2	12.5	18.7
176	17.4	15.4	23.0

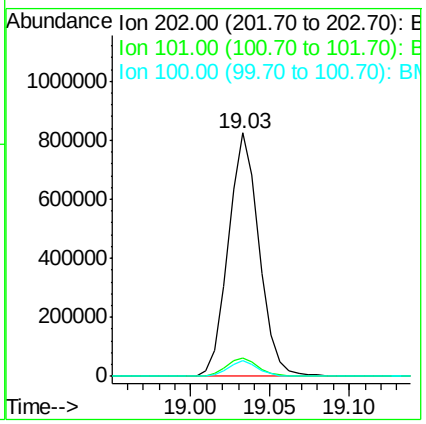




#28
Fluoranthene
Concen: 9.91 ng/ul
RT: 19.03 min Scan# 2796
Delta R.T. -0.01 min
Lab File: BM006970.D
Acq: 07 Aug 2016 11:06

Tgt Ion:202 Resp: 1106778

Ion	Ratio	Lower	Upper
202	100		
101	7.6	5.6	8.4
100	6.3	4.2	6.4



Instrument :
BNA_M
ClientSampleId :
DA0H2

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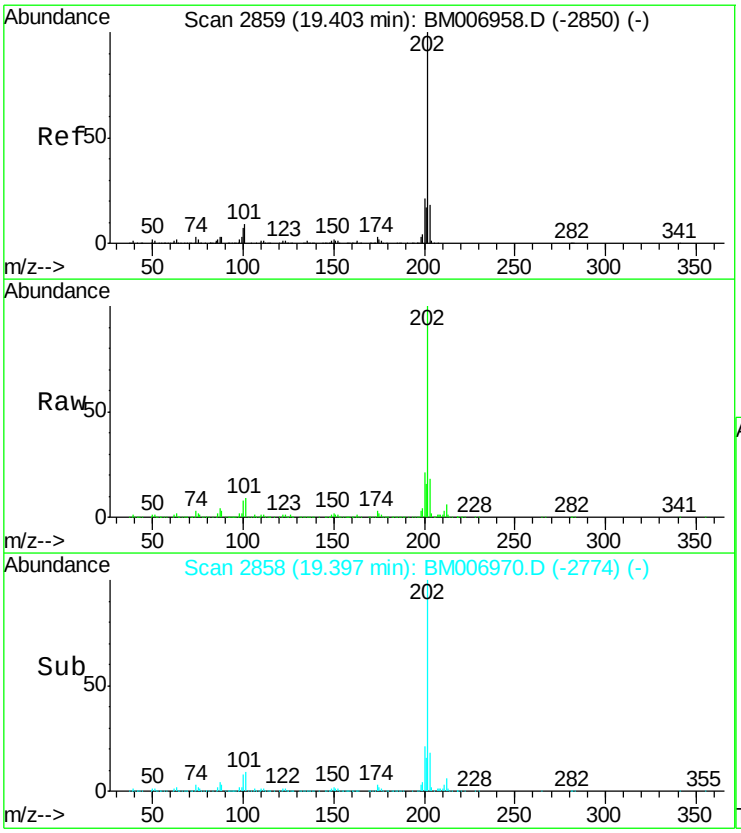
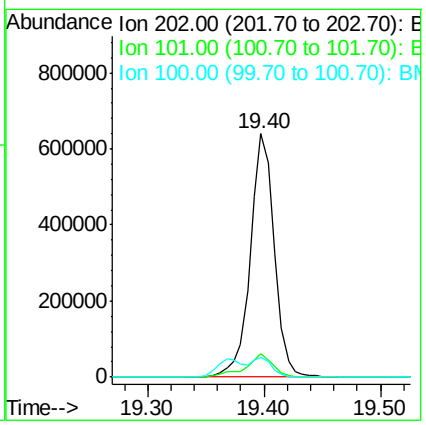
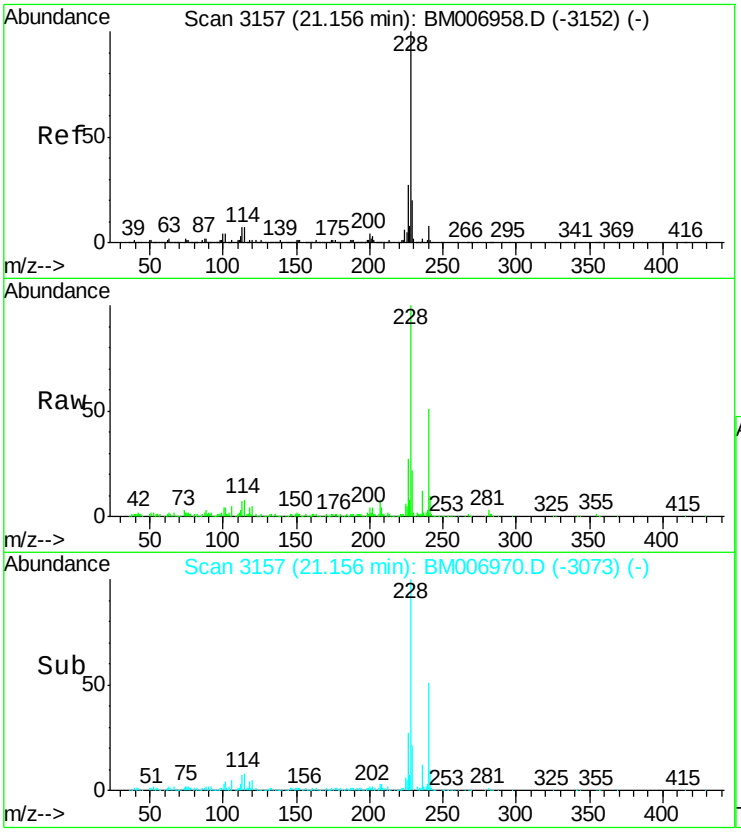


#31
Pyrene
Concen: 9.30 ng/ul m
RT: 19.40 min Scan# 2858
Delta R.T. -0.01 min
Lab File: BM006970.D
Acq: 07 Aug 2016 11:06

Tgt Ion:202 Resp: 916190

Ion	Ratio	Lower	Upper
202	100		
101	9.4	6.4	9.6
100	8.3	5.4	8.2#

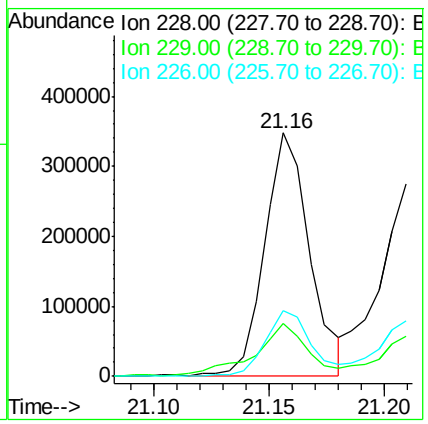




#32
Benzo(a)anthracene
Concen: 4.98 ng/ul
RT: 21.16 min Scan# 3157
Delta R.T. -0.01 min
Lab File: BM006970.D
Acq: 07 Aug 2016 11:06

Tgt Ion:228 Resp: 468061

Ion	Ratio	Lower	Upper
228	100		
229	21.8	15.2	22.8
226	27.0	21.3	31.9



Instrument :
BNA_M
ClientSampleId :
DA0H2

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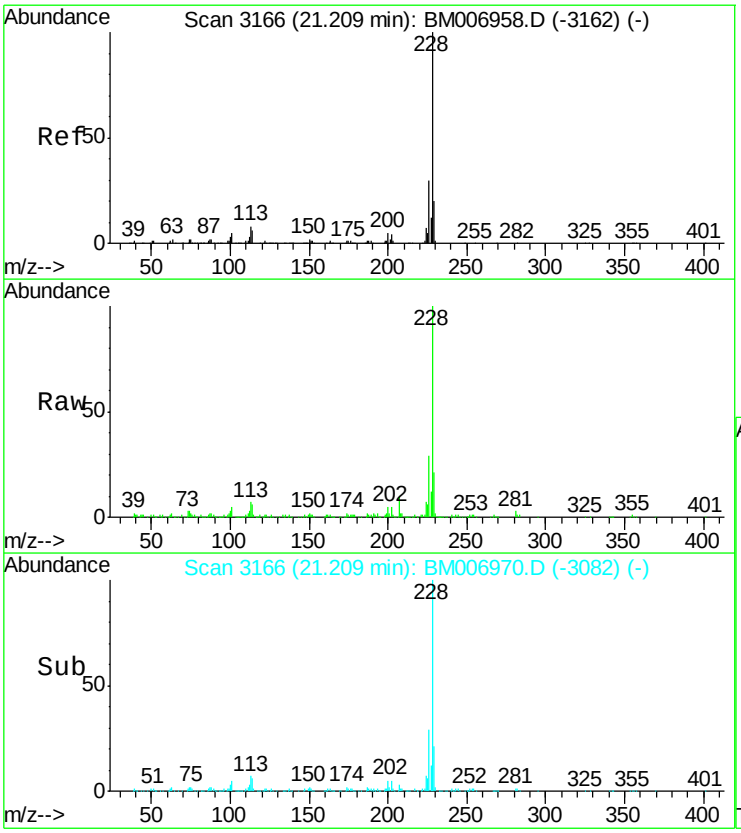
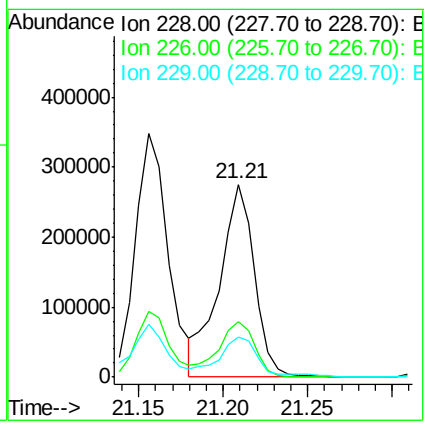
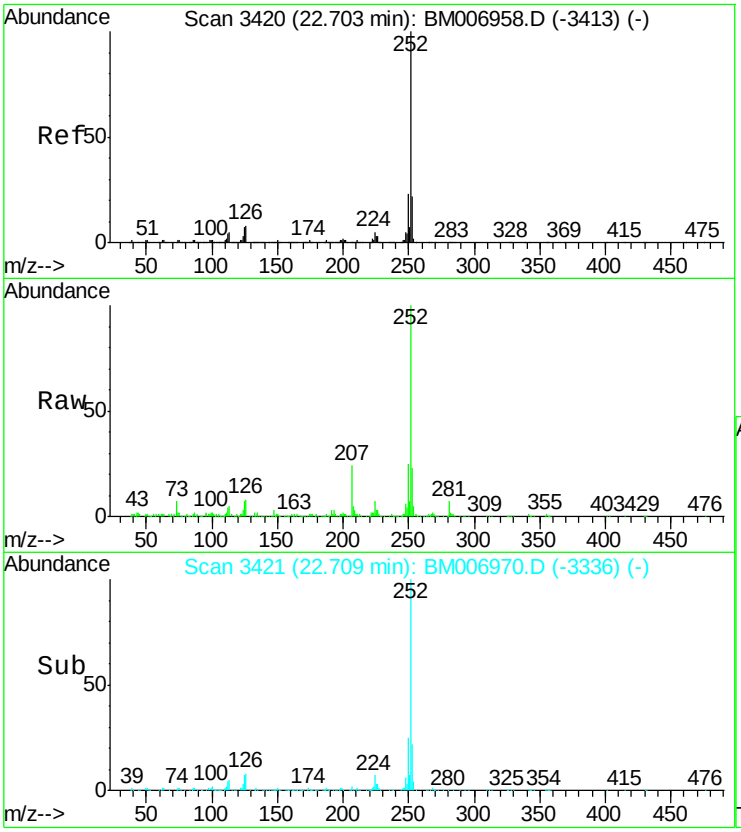


#33
Chrysene
Concen: 4.79 ng/ul
RT: 21.21 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BM006970.D
Acq: 07 Aug 2016 11:06

Tgt Ion:228 Resp: 396256

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.8	35.6
229	21.1	15.1	22.7

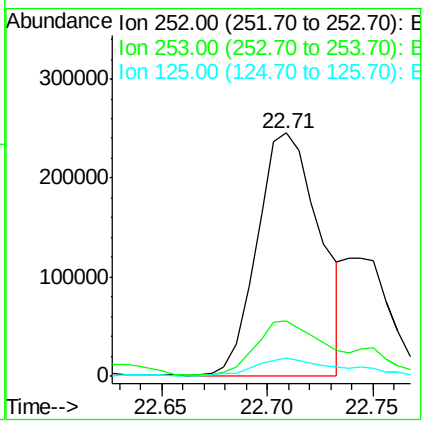




#35
Benzo(b)fluoranthene
Concen: 6.46 ng/ul
RT: 22.71 min Scan# 3421
Delta R.T. -0.00 min
Lab File: BM006970.D
Acq: 07 Aug 2016 11:06

Tgt Ion:252 Resp: 503604

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.6	26.4
125	7.5	5.1	7.7



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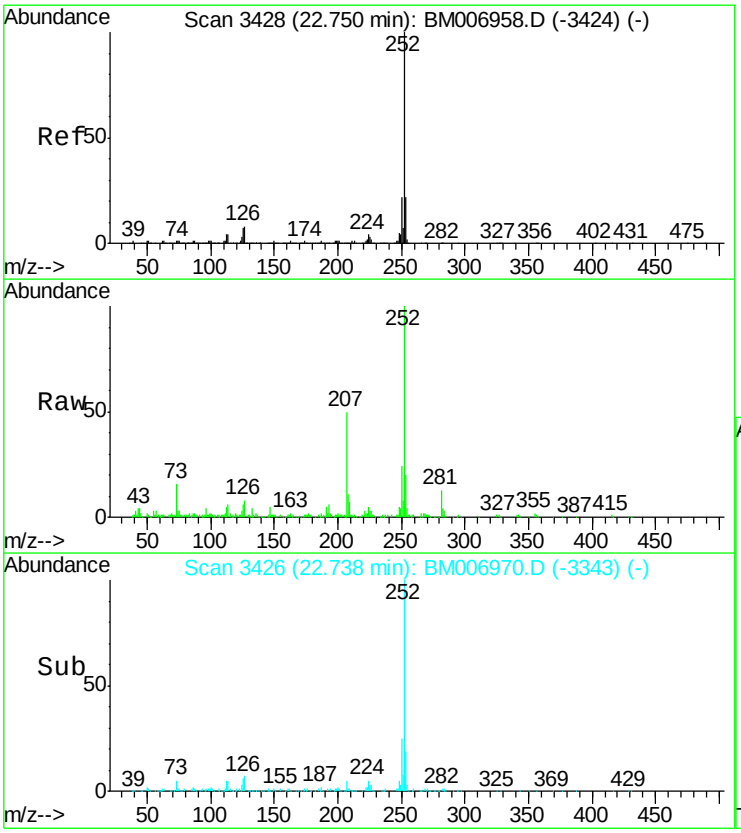
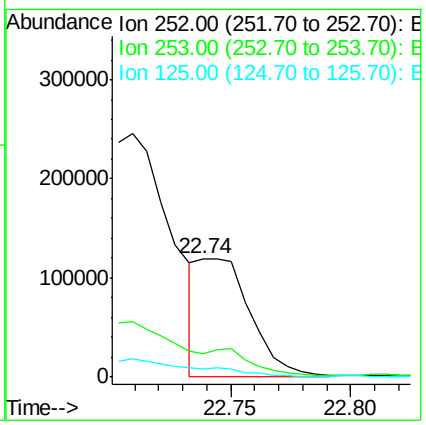
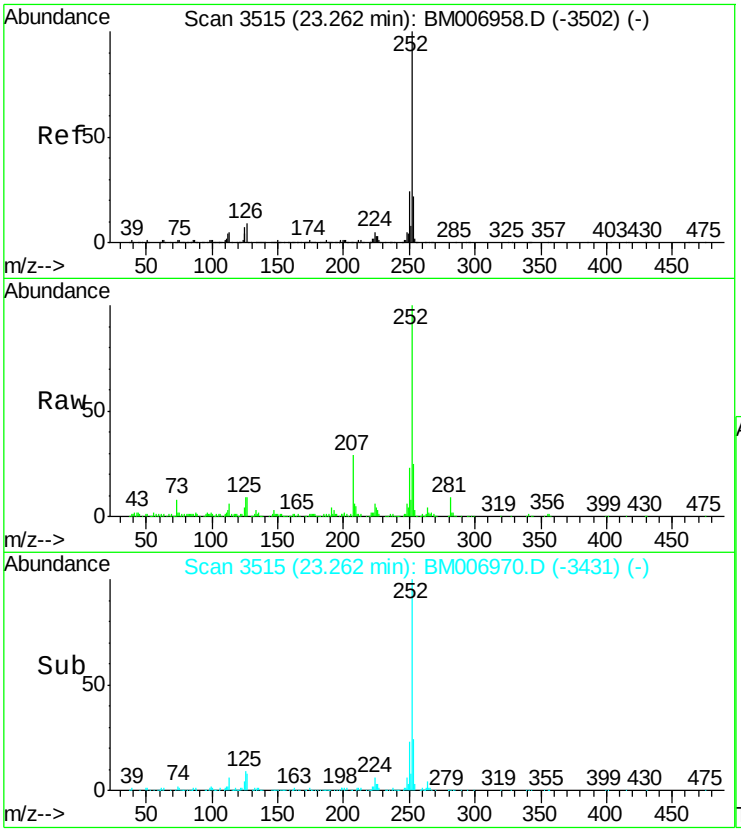


#36
Benzo(k)fluoranthene
Concen: 2.42 ng/ul m
RT: 22.74 min Scan# 3426
Delta R.T. -0.01 min
Lab File: BM006970.D
Acq: 07 Aug 2016 11:06

Tgt Ion:252 Resp: 182244

Ion	Ratio	Lower	Upper
252	100		
253	19.6	17.2	25.8
125	6.4	5.1	7.7





#38
Benzo(a)pyrene
Concen: 4.86 ng/ul
RT: 23.26 min Scan# 3515
Delta R.T. -0.01 min
Lab File: BM006970.D
Acq: 07 Aug 2016 11:06

Tgt Ion:252 Resp: 343335

Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.2	27.2
125	9.0	5.6	8.4#

Instrument :
BNA_M
ClientSampleId :
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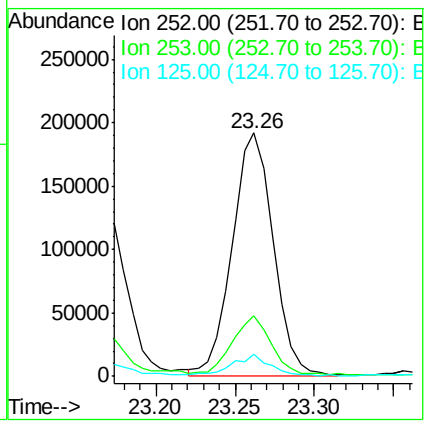
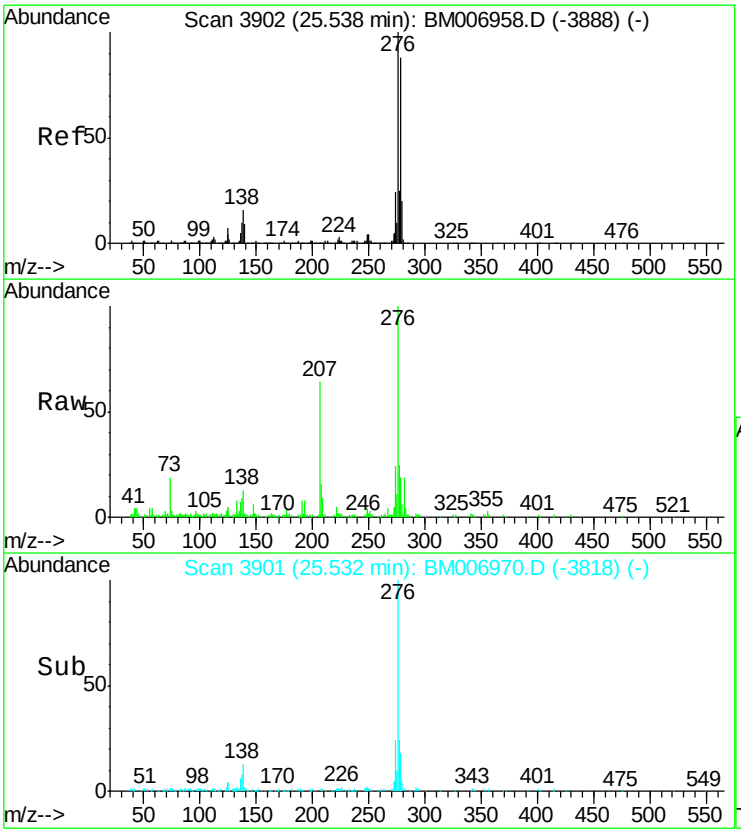
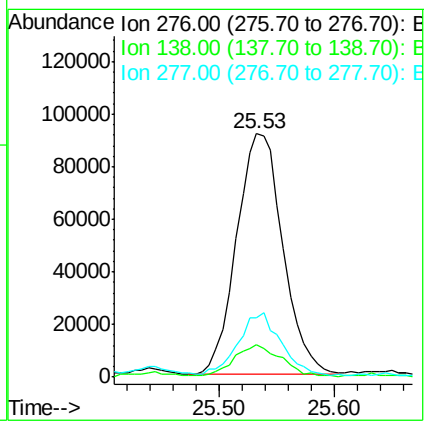


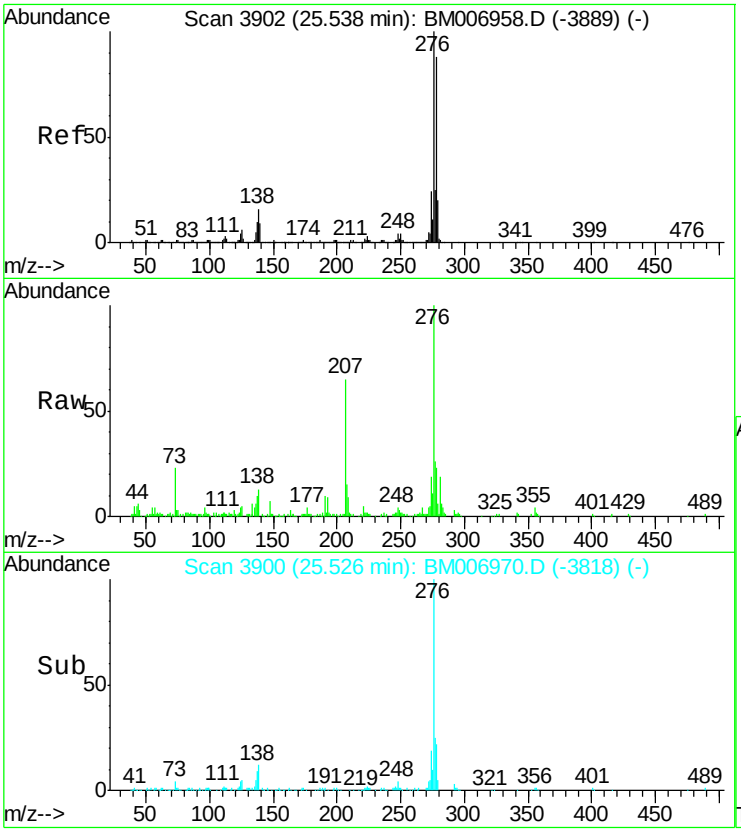


#39
Indeno(1,2,3-cd)pyrene
Concen: 3.56 ng/ul
RT: 25.53 min Scan# 3901
Delta R.T. -0.01 min
Lab File: BM006970.D
Acq: 07 Aug 2016 11:06

Tgt Ion:276 Resp: 255370

Ion	Ratio	Lower	Upper
276	100		
138	13.3	12.6	19.0
277	24.6	20.3	30.5

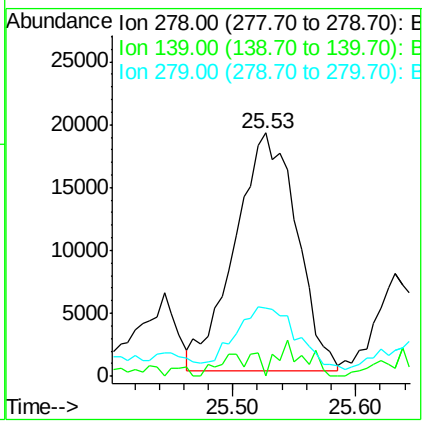




#40
Dibenzo(a,h)anthracene
Concen: 1.10 ng/ul m
RT: 25.53 min Scan# 3900
Delta R.T. -0.02 min
Lab File: BM006970.D
Acq: 07 Aug 2016 11:06

Tgt Ion:278 Resp: 66165

Ion	Ratio	Lower	Upper
278	100		
139	0.0	7.5	11.3#
279	28.1	19.0	28.4



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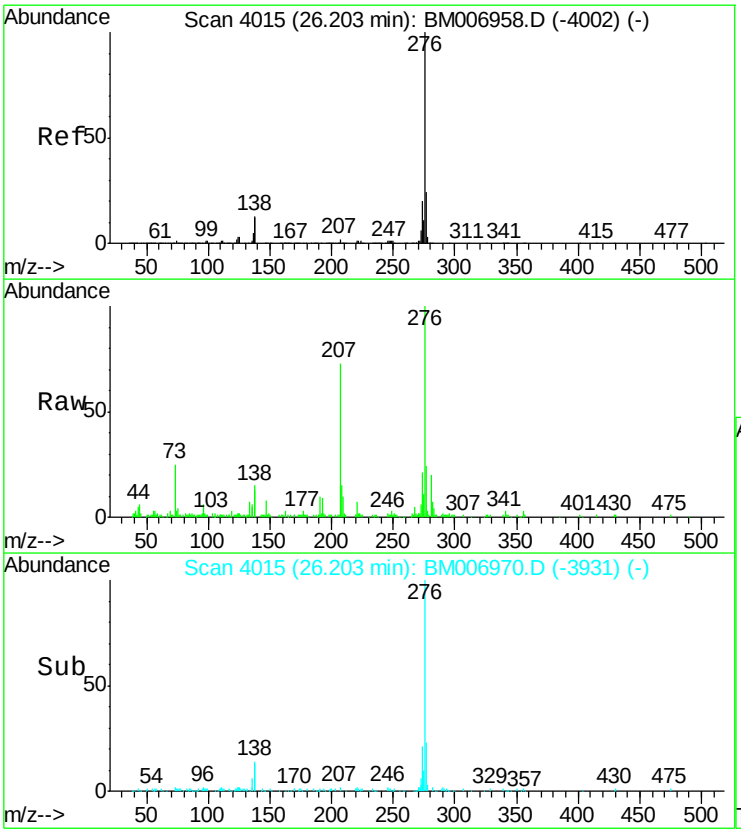

#41
Benzo(g,h,i)perylene
Concen: 4.51 ng/ul
RT: 26.20 min Scan# 4015
Delta R.T. -0.01 min
Lab File: BM006970.D
Acq: 07 Aug 2016 11:06

Tgt Ion:276 Resp: 254855

Ion	Ratio	Lower	Upper
276	100		
138	14.6	10.9	16.3
277	23.7	18.6	27.8