Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060616\
Data File : BM005679.D
Acq On : 06 Jun 2016 20:51
Operator : UM/SJ
Sample : H3412-06MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9XS5MSD

Manual Integrations APPROVED
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6/7/2016 7:13:54 PM

Quant Time: Jun 07 05:02:07 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM060216.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 07 04:25:20 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	111119	20.00	ng/ul	0.00
7) Naphthalene-d8	10.55	136	459404	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.40	164	228865	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.14	188	461756	20.00	ng/ul	0.00
29) Chrysene-d12	21.33	240	469823	20.00	ng/ul	0.00
34) Perylene-d12	23.59	264	489301	20.00	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.22	96	3707	1.40	ng/uL	0.00
3) Phenol-d5	6.94	99	106082	10.86	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.09	67	82434	13.87	ng/ul	0.00
5) 2-Chlorophenol-d4	7.29	132	100145	12.43	ng/ul	0.00
6) 4-Methylphenol-d8	8.47	113	46733	6.05	ng/ul	0.00
8) Nitrobenzene-d5	8.92	128	49366	13.99	ng/ul	0.00
9) 2-Nitrophenol-d4	9.64	143	50945	13.50	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.18	165	80531	12.00	ng/ul	0.00
12) 4-Chloroaniline-d4	10.69	131	78662	9.87	ng/ul	0.00
16) Dimethylphthalate-d6	13.81	166	260805	14.82	ng/ul	0.00
17) Acenaphthylene-d8	14.09	160	332856	14.55	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	15476	6.14	ng/ul	0.00
21) Fluorene-d10	15.39	176	228063	15.09	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	13616	6.26	ng/ul	0.00
26) Anthracene-d10	17.24	188	320504	14.62	ng/ul	0.00
30) Pyrene-d10	19.54	212	343513	14.55	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.44	264	333136	14.79	ng/ul	0.00
Target Compounds						Qvalue
18) Acenaphthylene	14.12	152	29770	1.26	ng/ul	97
19) Acenaphthene	14.46	153	209227	13.61	ng/ul	94
25) Phenanthrene	17.19	178	89258	3.50	ng/ul	98
27) Anthracene	17.28	178	28093	1.08	ng/ul	99
28) Fluoranthene	19.20	202	194412	7.46	ng/ul	99
31) Pyrene	19.57	202	580248	19.57	ng/ul	97
32) Benzo(a)anthracene	21.31	228	121739	4.42	ng/ul	96
33) Chrysene	21.36	228	144811	5.56	ng/ul	96
35) Benzo(b)fluoranthene	22.91	252	274738	9.31	ng/ul	99
36) Benzo(k)fluoranthene	22.94	252	75367m	2.72	ng/ul	
38) Benzo(a)pyrene	23.49	252	153373	5.40	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.87	276	130276	3.88	ng/ul	96
40) Dibenzo(a,h)anthracene	25.87	278	40859m	1.45	ng/ul	
41) Benzo(g,h,i)perylene	26.57	276	124649	4.42	ng/ul#	93

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060616\
Data File : BM005679.D
Acq On : 06 Jun 2016 20:51
Operator : UM/SJ
Sample : H3412-06MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 07 05:02:07 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM060216.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 07 04:25:20 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9XS5MSD

Manual Integrations APPROVED
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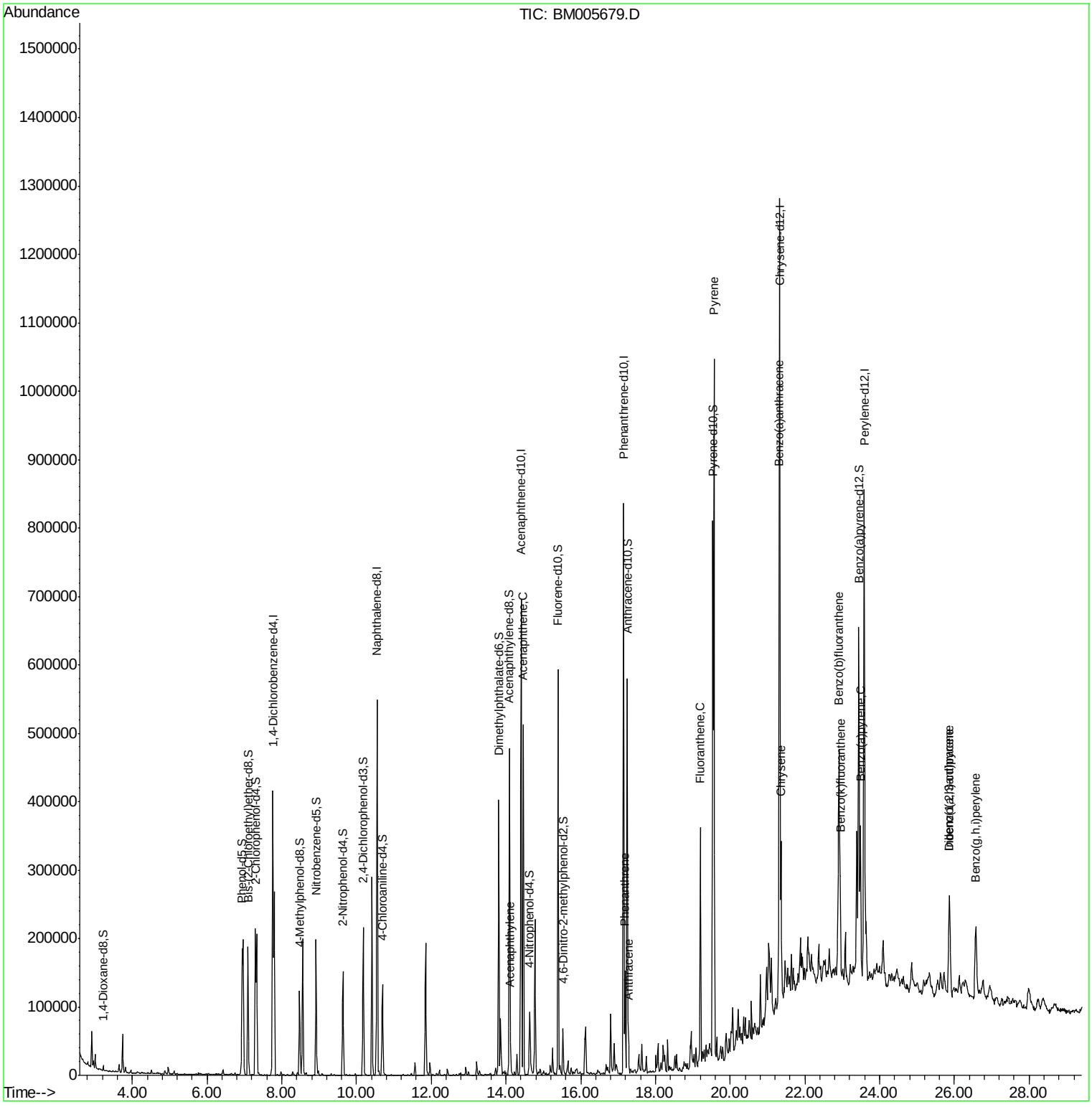
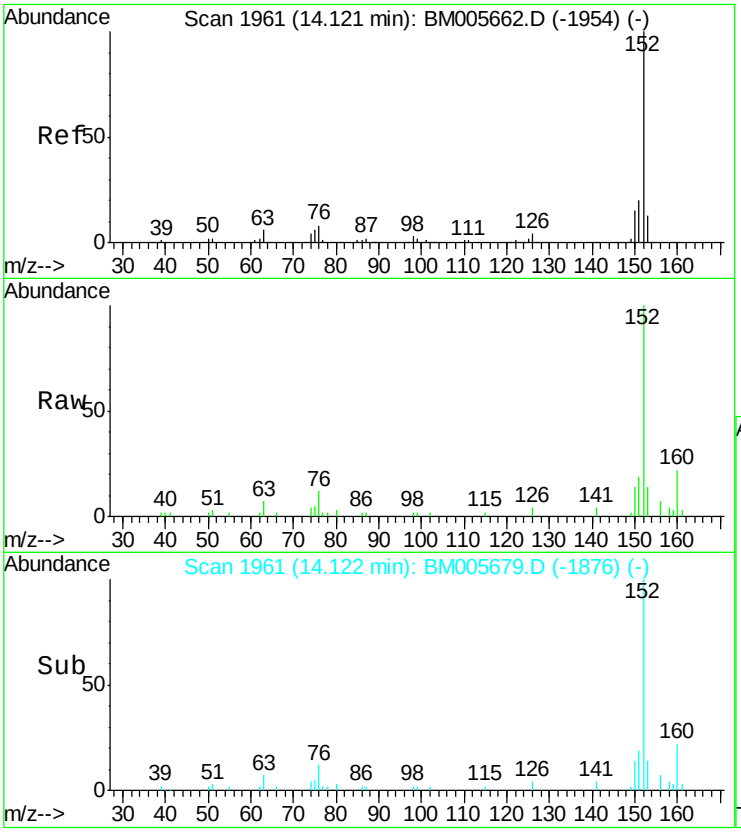
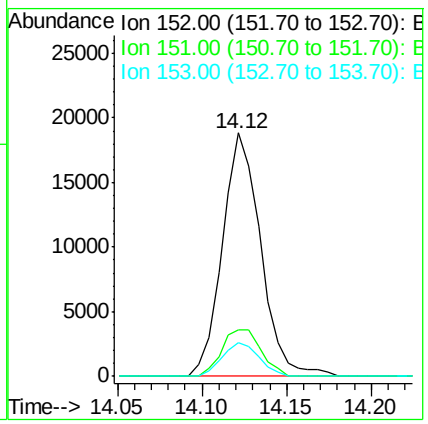




#18
Acenaphthylene
Concen: 1.26 ng/ul
RT: 14.12 min Scan# 1961
Delta R.T. 0.00 min
Lab File: BM005679.D
Acq: 06 Jun 2016 20:51

Tgt Ion:152 Resp: 29770

Ion	Ratio	Lower	Upper
152	100		
151	19.2	17.3	25.9
153	14.0	11.1	16.7



Instrument :
BNA_M
ClientSampleId :
D9XS5MSD

Manual Integrations APPROVED
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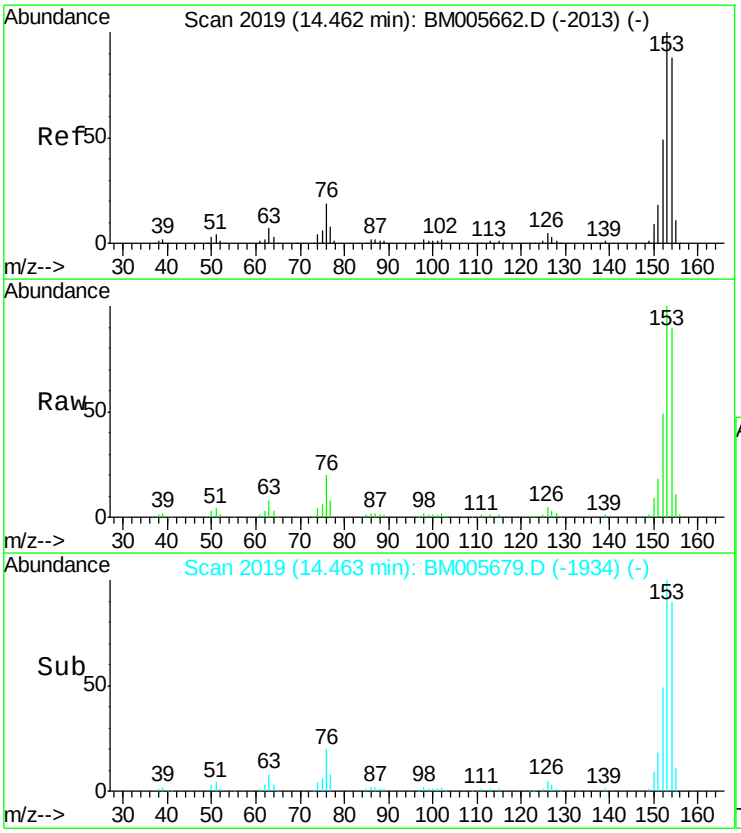
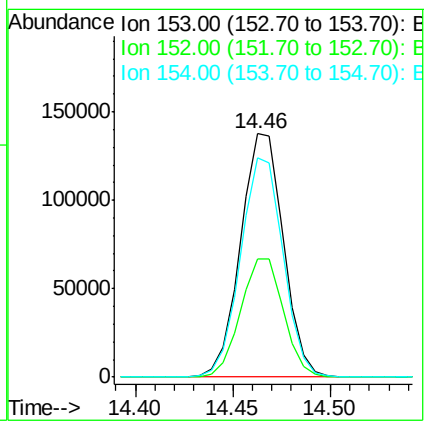
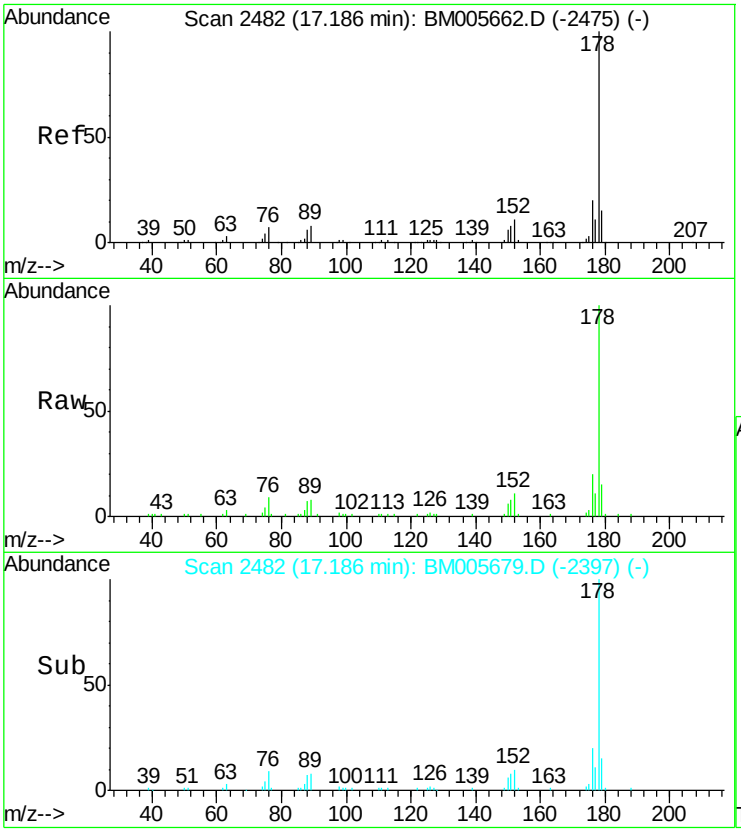


#19
Acenaphthene
Concen: 13.61 ng/ul
RT: 14.46 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BM005679.D
Acq: 06 Jun 2016 20:51

Tgt Ion:153 Resp: 209227

Ion	Ratio	Lower	Upper
153	100		
152	48.7	36.5	54.7
154	90.1	67.3	100.9

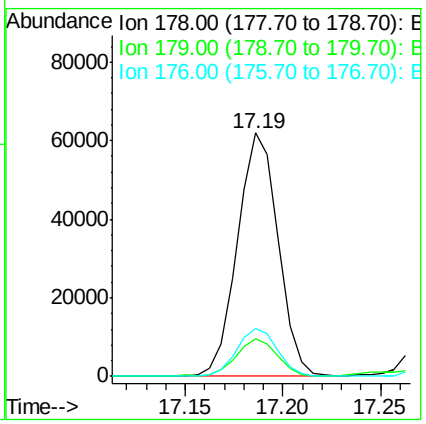




#25
Phenanthrene
Concen: 3.50 ng/ul
RT: 17.19 min Scan# 2482
Delta R.T. 0.00 min
Lab File: BM005679.D
Acq: 06 Jun 2016 20:51

Tgt Ion:178 Resp: 89258

Ion	Ratio	Lower	Upper
178	100		
179	15.4	11.8	17.8
176	19.7	14.8	22.2



Instrument :
BNA_M
ClientSampleId :
D9XS5MSD

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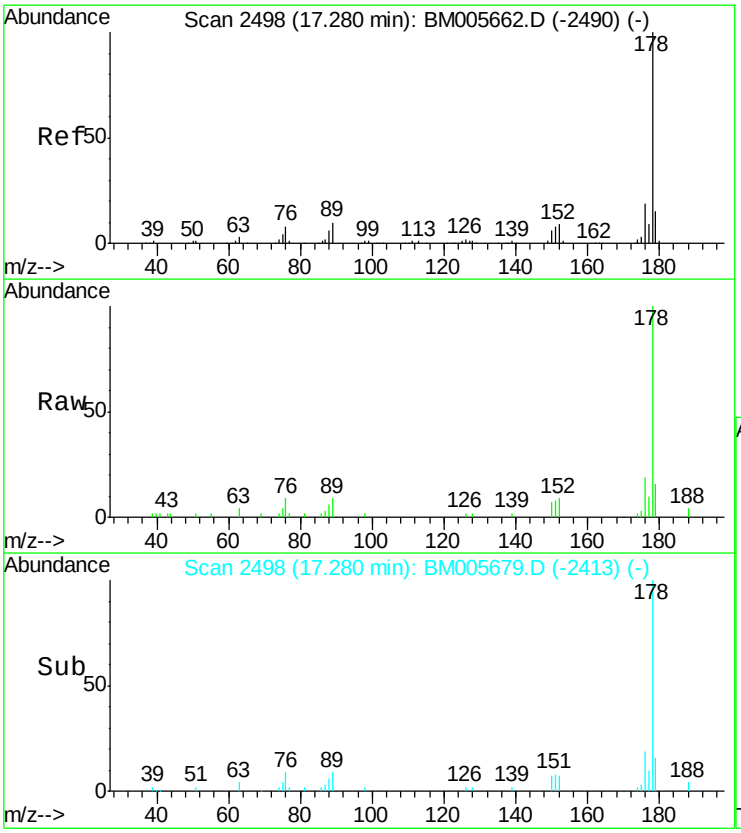
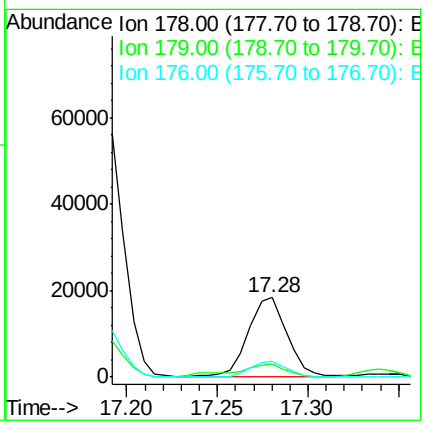
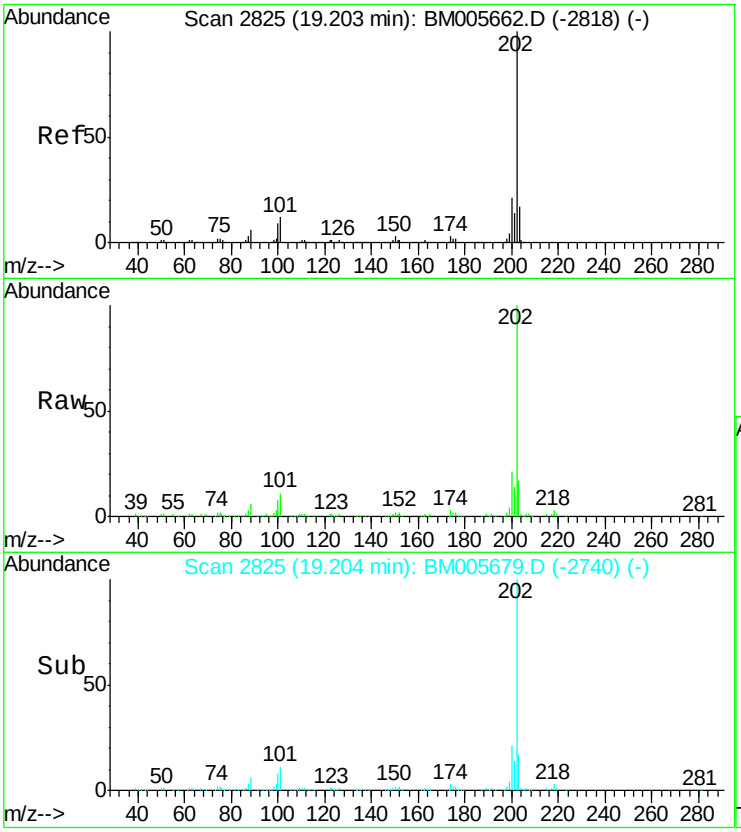


#27
Anthracene
Concen: 1.08 ng/ul
RT: 17.28 min Scan# 2498
Delta R.T. 0.00 min
Lab File: BM005679.D
Acq: 06 Jun 2016 20:51

Tgt Ion:178 Resp: 28093

Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.9	19.3
176	19.2	15.6	23.4

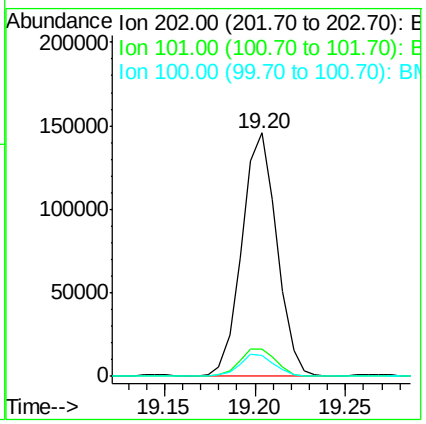




#28
Fluoranthene
Concen: 7.46 ng/ul
RT: 19.20 min Scan# 2825
Delta R.T. 0.00 min
Lab File: BM005679.D
Acq: 06 Jun 2016 20:51

Tgt Ion:202 Resp: 194412

Ion	Ratio	Lower	Upper
202	100		
101	11.5	8.9	13.3
100	8.3	7.0	10.4



Instrument :
BNA_M
ClientSampleId :
D9XS5MSD

Manual Integrations APPROVED
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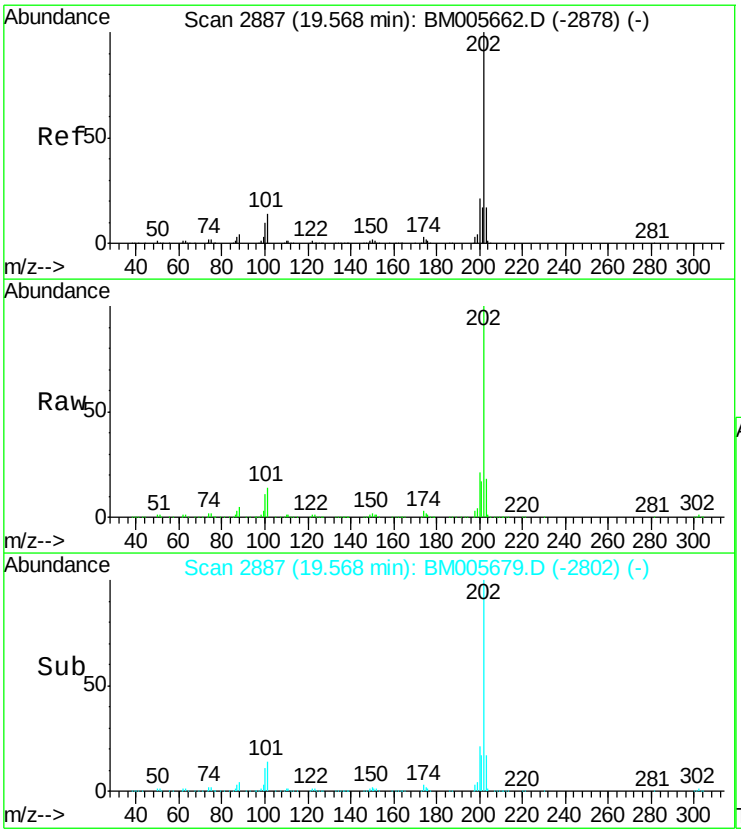
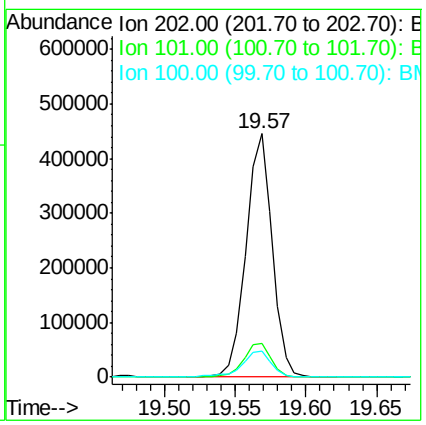
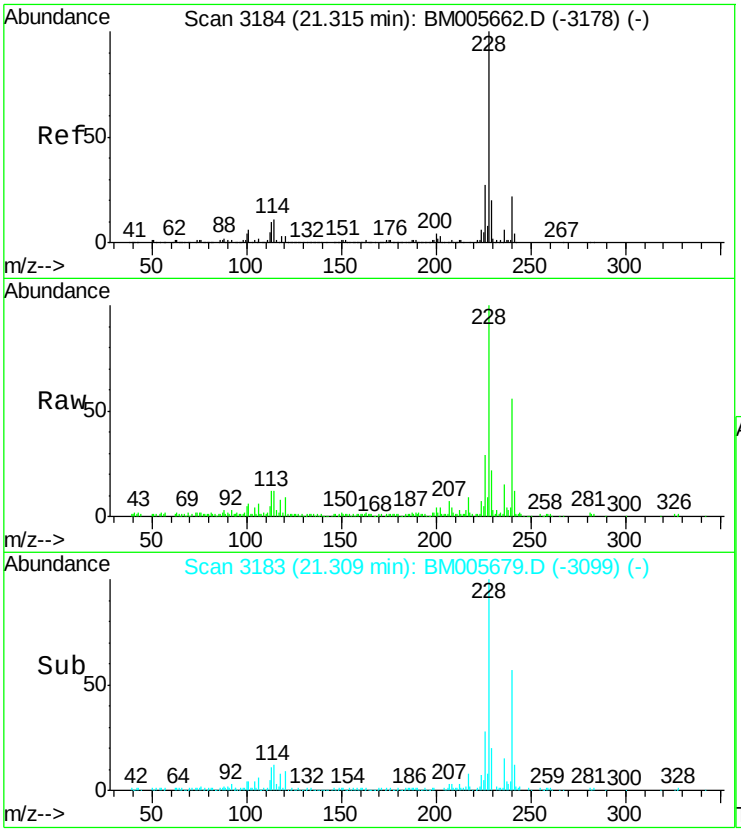


#31
Pyrene
Concen: 19.57 ng/ul
RT: 19.57 min Scan# 2887
Delta R.T. 0.00 min
Lab File: BM005679.D
Acq: 06 Jun 2016 20:51

Tgt Ion:202 Resp: 580248

Ion	Ratio	Lower	Upper
202	100		
101	14.0	9.8	14.8
100	10.7	9.3	13.9

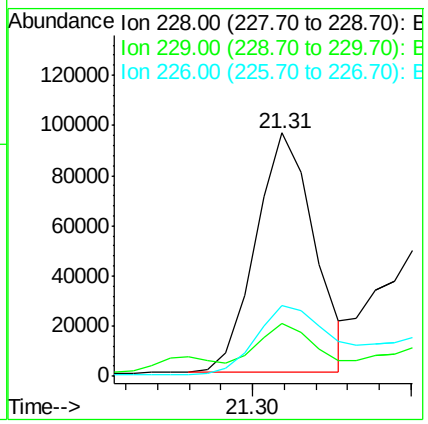




#32
Benzo(a)anthracene
Concen: 4.42 ng/ul
RT: 21.31 min Scan# 3183
Delta R.T. -0.01 min
Lab File: BM005679.D
Acq: 06 Jun 2016 20:51

Tgt Ion:228 Resp: 121739

Ion	Ratio	Lower	Upper
228	100		
229	21.6	16.6	25.0
226	28.9	21.0	31.4



Instrument :
BNA_M
ClientSampleId :
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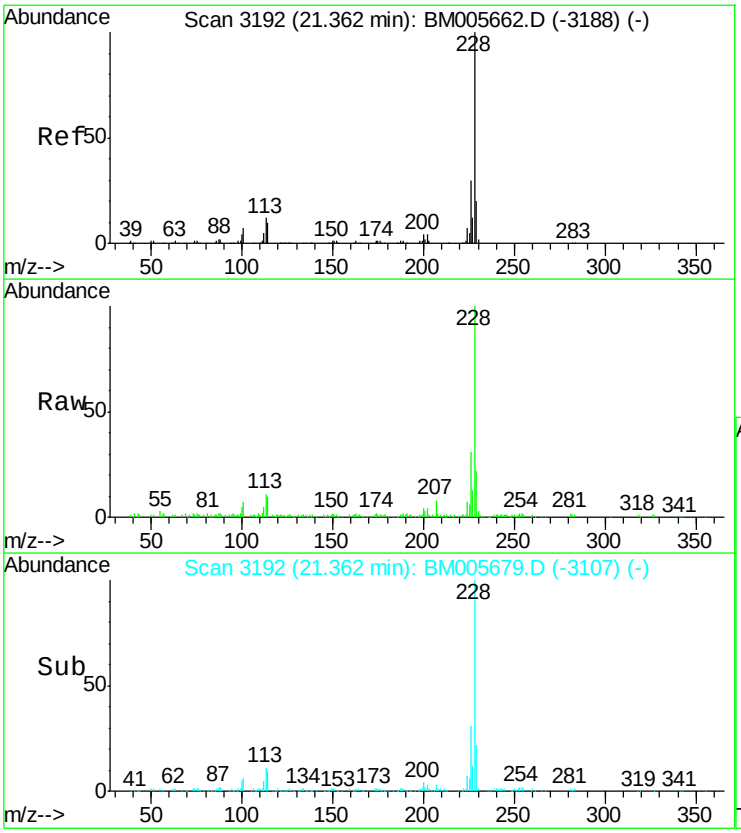
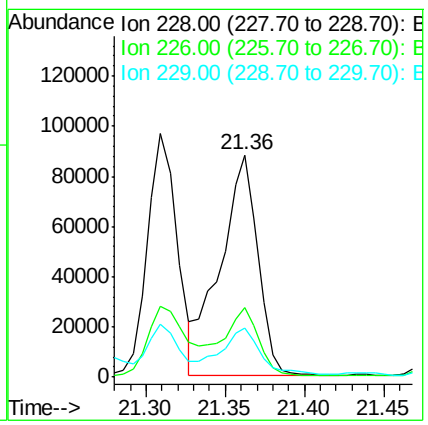
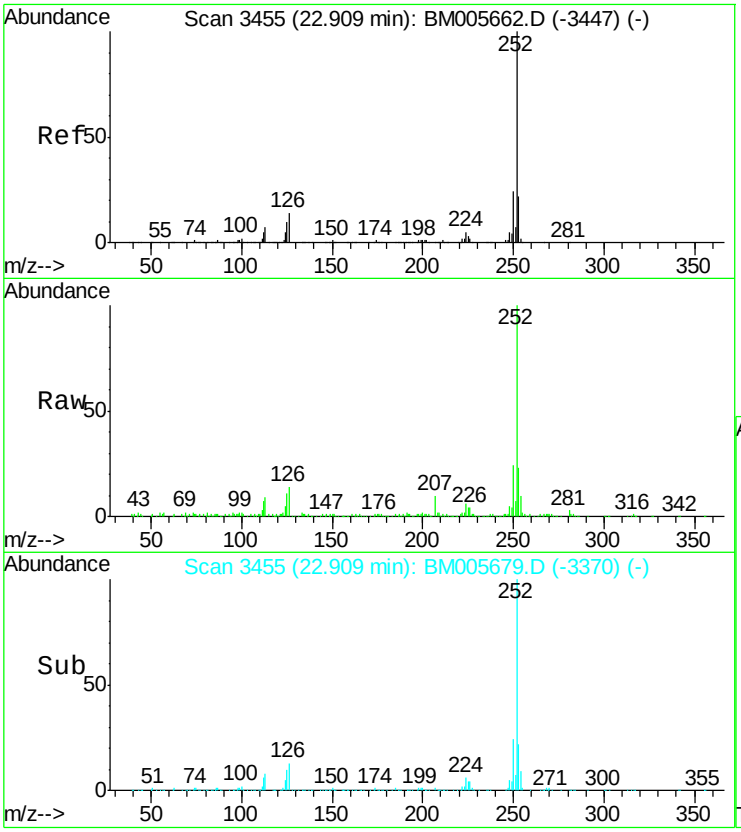


#33
Chrysene
Concen: 5.56 ng/ul
RT: 21.36 min Scan# 3192
Delta R.T. 0.00 min
Lab File: BM005679.D
Acq: 06 Jun 2016 20:51

Tgt Ion:228 Resp: 144811

Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.4	35.2
229	22.2	16.2	24.2

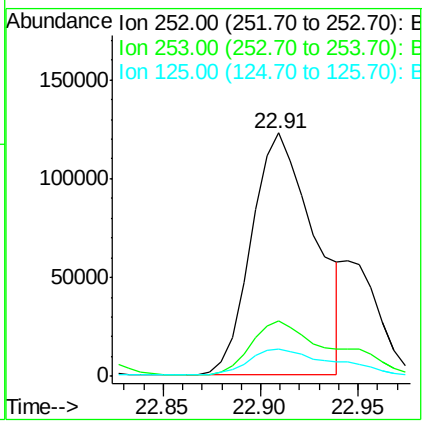




#35
Benzo(b)fluoranthene
Concen: 9.31 ng/ul
RT: 22.91 min Scan# 3455
Delta R.T. 0.00 min
Lab File: BM005679.D
Acq: 06 Jun 2016 20:51

Tgt Ion:252 Resp: 274738

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	11.0	7.6	11.4



Instrument :
BNA_M
ClientSampleId :
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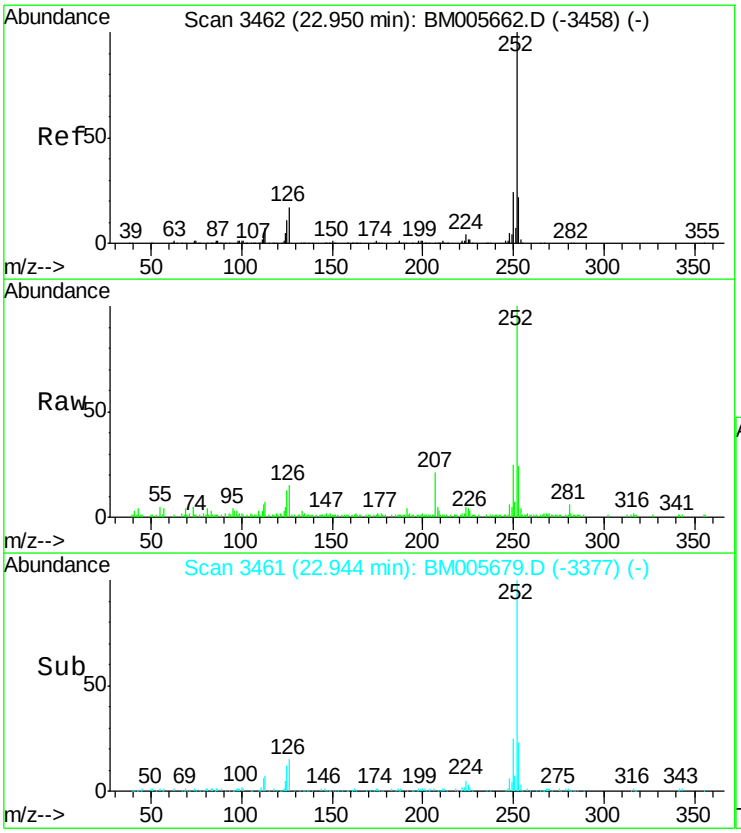
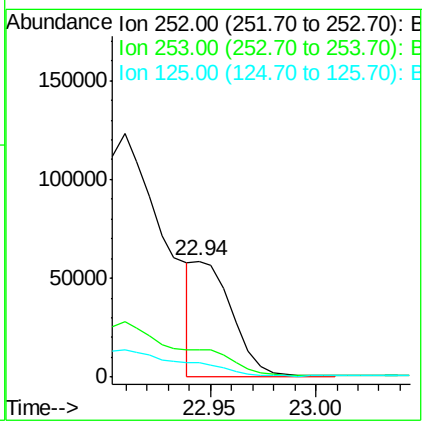
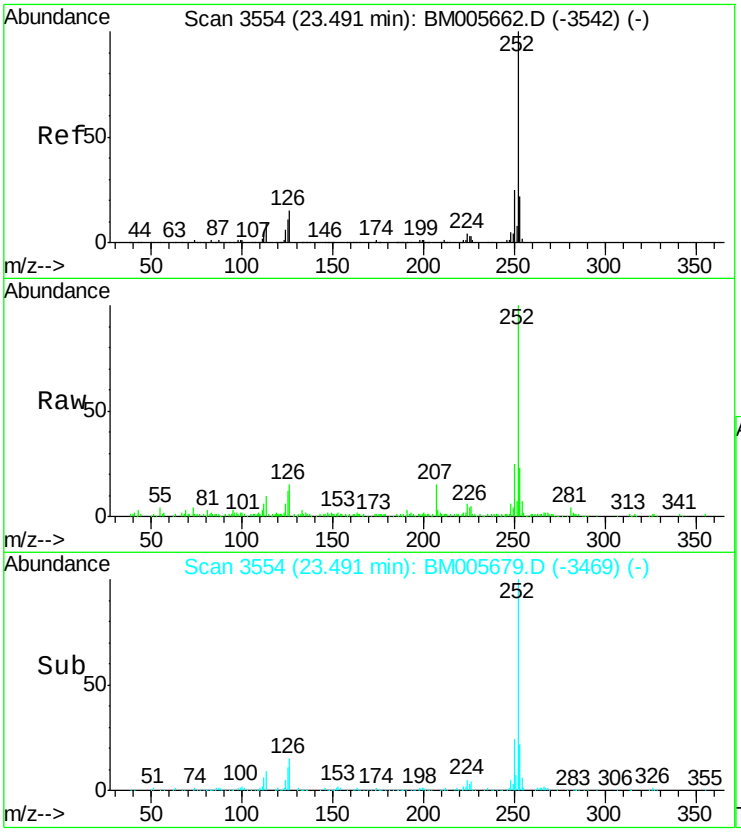


#36
Benzo(k)fluoranthene
Concen: 2.72 ng/ul m
RT: 22.94 min Scan# 3461
Delta R.T. -0.01 min
Lab File: BM005679.D
Acq: 06 Jun 2016 20:51

Tgt Ion:252 Resp: 75367

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.8
125	12.7	7.7	11.5#





#38
Benzo(a)pyrene
Concen: 5.40 ng/ul
RT: 23.49 min Scan# 3554
Delta R.T. 0.00 min
Lab File: BM005679.D
Acq: 06 Jun 2016 20:51

Tgt Ion:252 Resp: 153373

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	11.9	8.2	12.2

Instrument :
BNA_M
ClientSampleId :
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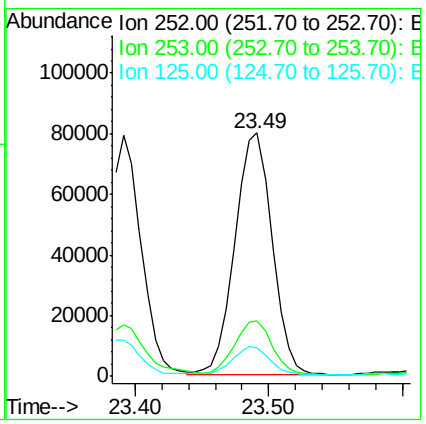
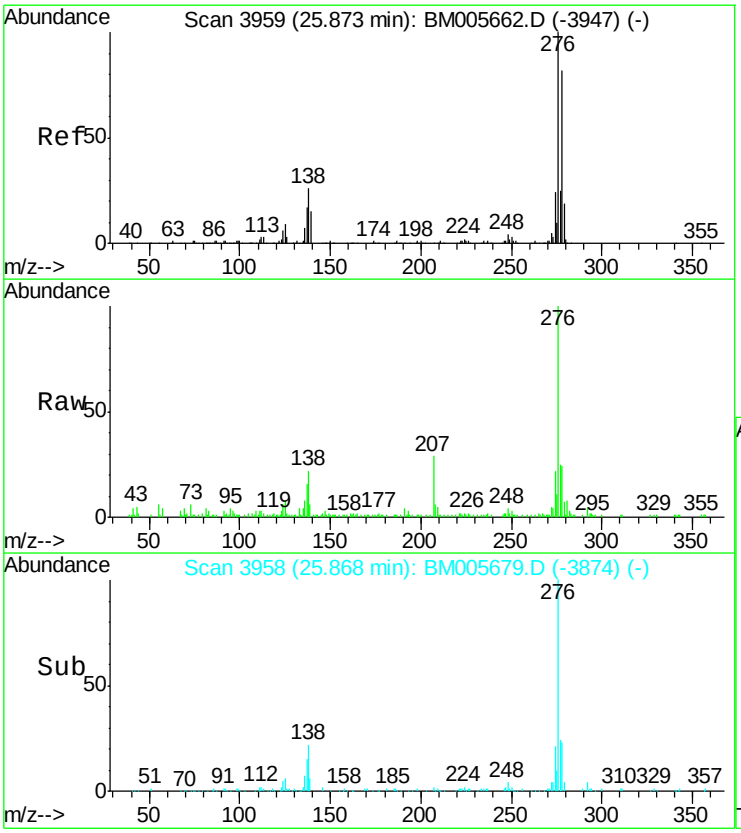
6/7/2016 7:13:54 PM

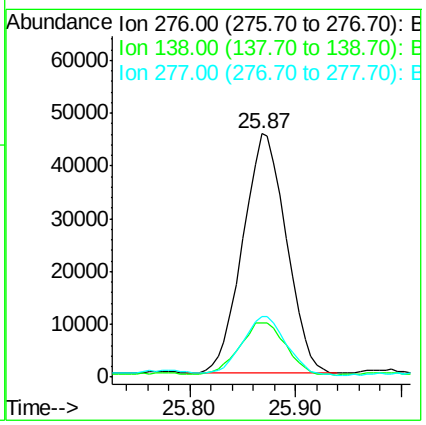


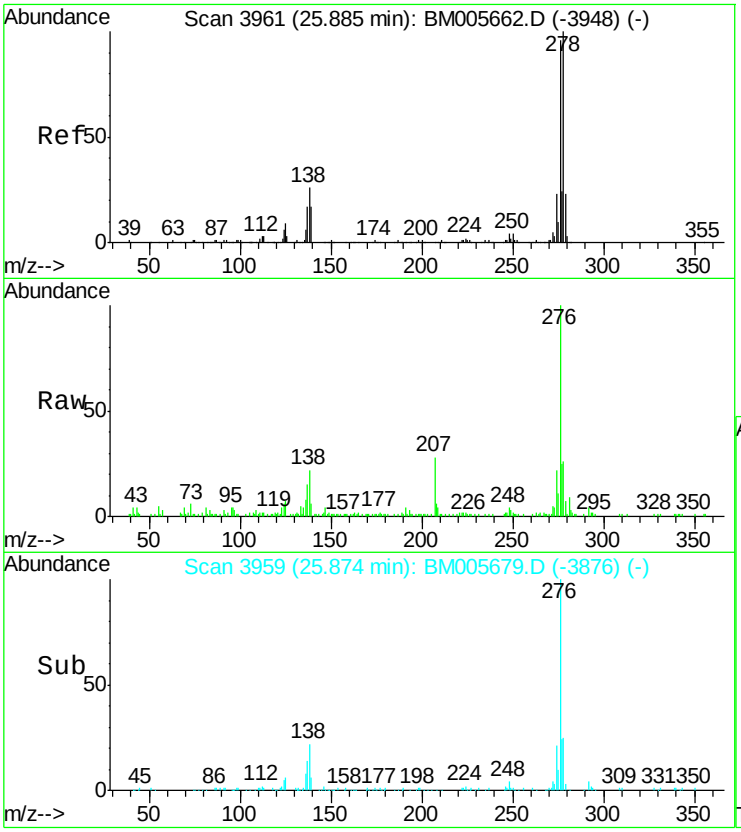


#39
Indeno(1,2,3-cd)pyrene
Concen: 3.88 ng/ul
RT: 25.87 min Scan# 3958
Delta R.T. -0.01 min
Lab File: BM005679.D
Acq: 06 Jun 2016 20:51

Tgt Ion:276 Resp: 130276

Ion	Ratio	Lower	Upper
276	100		
138	22.4	15.8	23.6
277	24.8	19.0	28.6

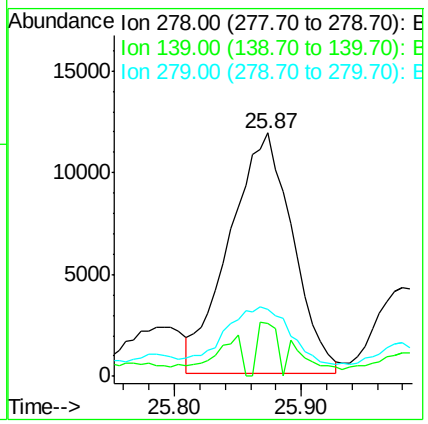




#40
Dibenzo(a,h)anthracene
Concen: 1.45 ng/ul m
RT: 25.87 min Scan# 3959
Delta R.T. -0.01 min
Lab File: BM005679.D
Acq: 06 Jun 2016 20:51

Tgt Ion:278 Resp: 40859

Ion	Ratio	Lower	Upper
278	100		
139	21.9	12.1	18.1#
279	27.4	19.8	29.8



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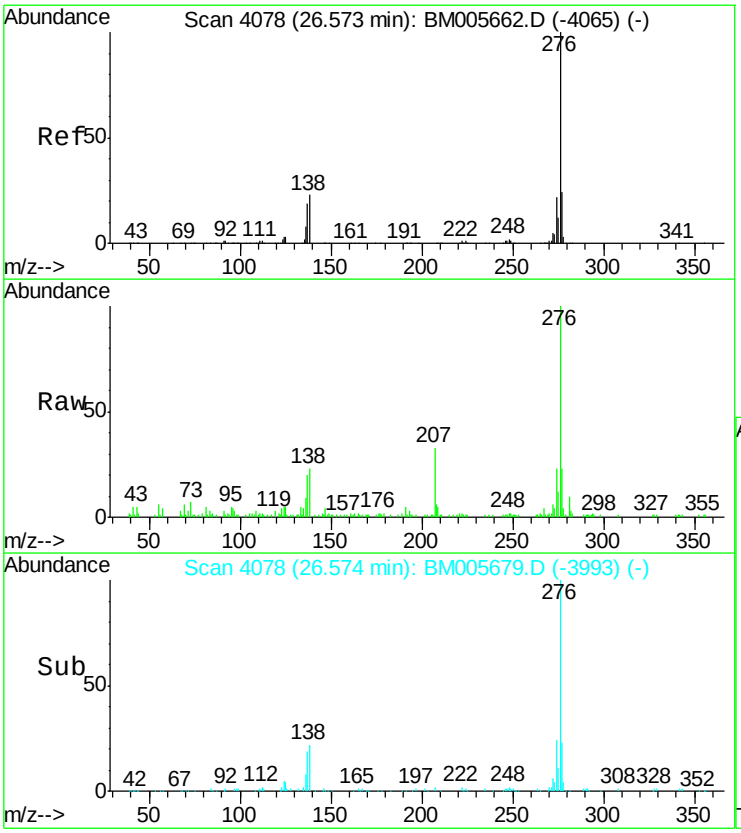

#41
Benzo(g,h,i)perylene
Concen: 4.42 ng/ul
RT: 26.57 min Scan# 4078
Delta R.T. 0.00 min
Lab File: BM005679.D
Acq: 06 Jun 2016 20:51

Tgt Ion:276 Resp: 124649

Ion	Ratio	Lower	Upper
276	100		
138	22.9	13.9	20.9#
277	23.5	19.8	29.6