Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051316\
Data File : BM005438.D
Acq On : 13 May 2016 18:55
Operator : UM/SJ
Sample : H2847-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD371

Manual Integrations APPROVED
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Quant Time: May 14 00:56:47 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 14 00:15:57 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	62584	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	292899	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.39	164	184481	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	445533	20.00	ng/ul	0.00
75) Chrysene-d12	21.34	240	502701	20.00	ng/ul	0.00
83) Perylene-d12	23.60	264	394277	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.25	96	4684	3.52	ng/uL	0.00
5) Phenol-d5	6.93	99	105941	18.66	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.09	67	60542	18.70	ng/ul	0.00
9) 2-Chlorophenol-d4	7.29	132	83599	19.50	ng/ul	0.00
13) 4-Methylphenol-d8	8.46	113	81136	17.29	ng/ul	0.00
19) Nitrobenzene-d5	8.91	128	40381	19.31	ng/ul	0.00
22) 2-Nitrophenol-d4	9.63	143	46949	19.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.17	165	90667	20.60	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	23127m	4.37	ng/ul	0.01
43) Dimethylphthalate-d6	13.80	166	316742	21.42	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	371618	21.43	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	38823m	14.38	ng/ul	0.00
57) Fluorene-d10	15.39	176	284702	22.30	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.52	200	37606	15.00	ng/ul	0.00
70) Anthracene-d10	17.24	188	439150	22.30	ng/ul	0.00
76) Pyrene-d10	19.54	212	530967	22.88	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.46	264	403928	23.14	ng/ul	0.00
Target Compounds						Qvalue
4) Benzaldehyde	6.91	77	5512	2.00	ng/ul	94
14) Acetophenone	8.58	105	8089	1.16	ng/ul	97
44) Dimethylphthalate	13.85	163	87747	5.94	ng/ul	99
69) Phenanthrene	17.19	178	144828	6.18	ng/ul	100
74) Fluoranthene	19.20	202	460160	17.73	ng/ul	98
77) Pyrene	19.57	202	381198	13.07	ng/ul	99
80) Benzo(a)anthracene	21.32	228	192054	6.64	ng/ul	99
82) Chrysene	21.37	228	203164	7.41	ng/ul	98
85) Benzo(b)fluoranthene	22.93	252	268156	11.64	ng/ul	99
86) Benzo(k)fluoranthene	22.97	252	85256m	3.93	ng/ul	
88) Benzo(a)pyrene	23.51	252	160057	7.34	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.90	276	102645	4.32	ng/ul#	93
90) Dibenzo(a,h)anthracene	25.91	278	24256	1.22	ng/ul	98
91) Benzo(g,h,i)perylene	26.61	276	84271	4.18	ng/ul	97

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

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Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BD371

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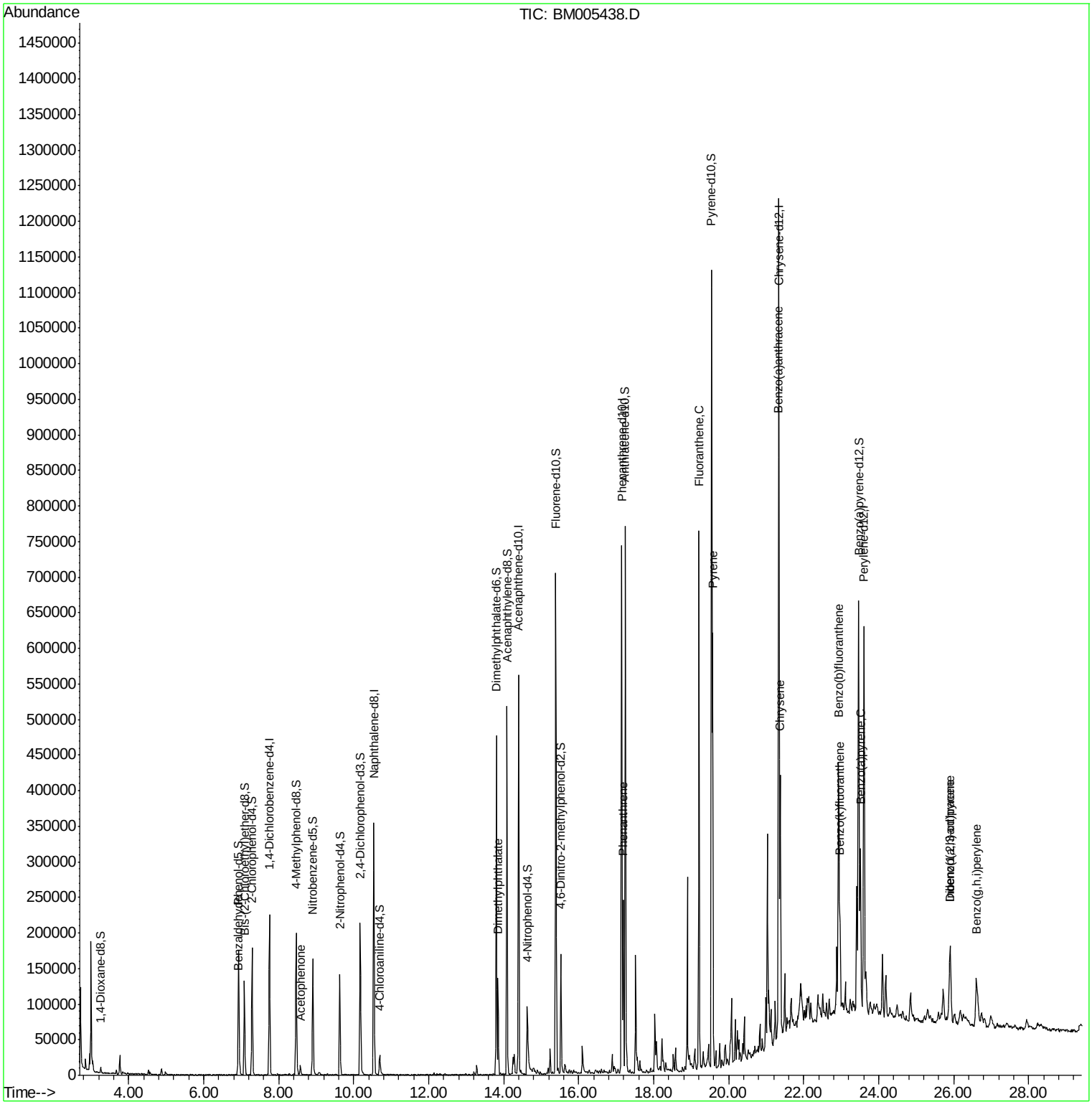
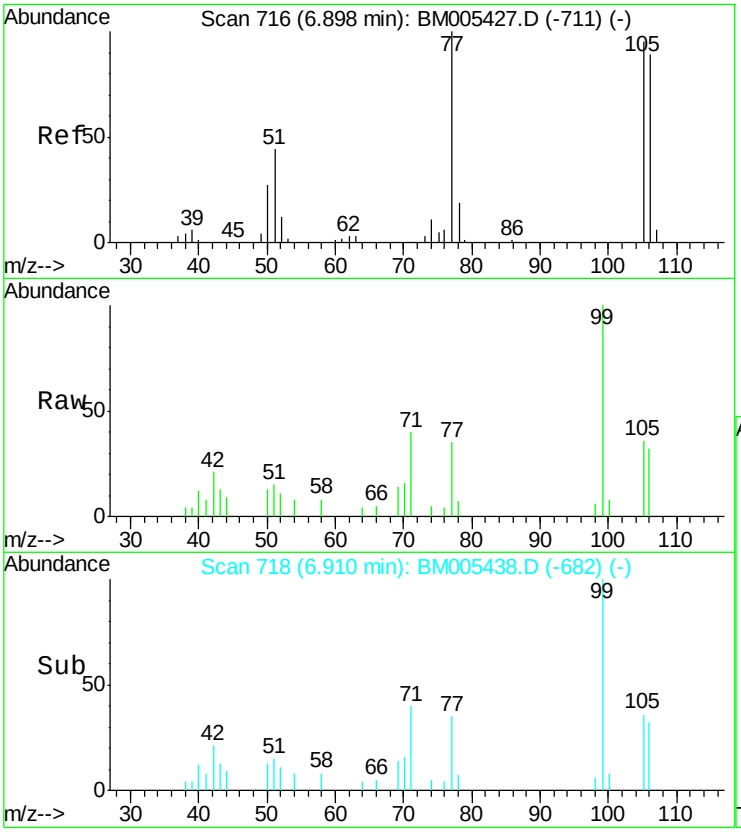
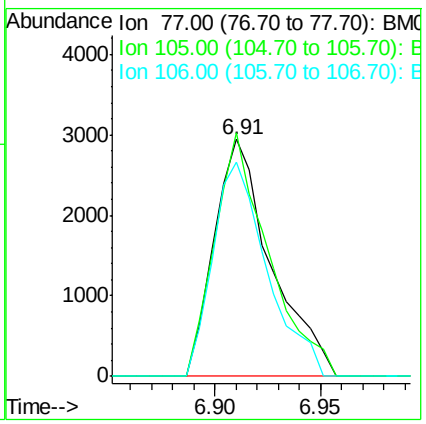




#4
Benzaldehyde
Concen: 2.00 ng/ul
RT: 6.91 min Scan# 718
Delta R.T. 0.01 min
Lab File: BM005438.D
Acq: 13 May 2016 18:55

Tgt Ion: 77 Resp: 5512

Ion	Ratio	Lower	Upper
77	100		
105	102.9	77.6	116.4
106	90.5	77.9	116.9



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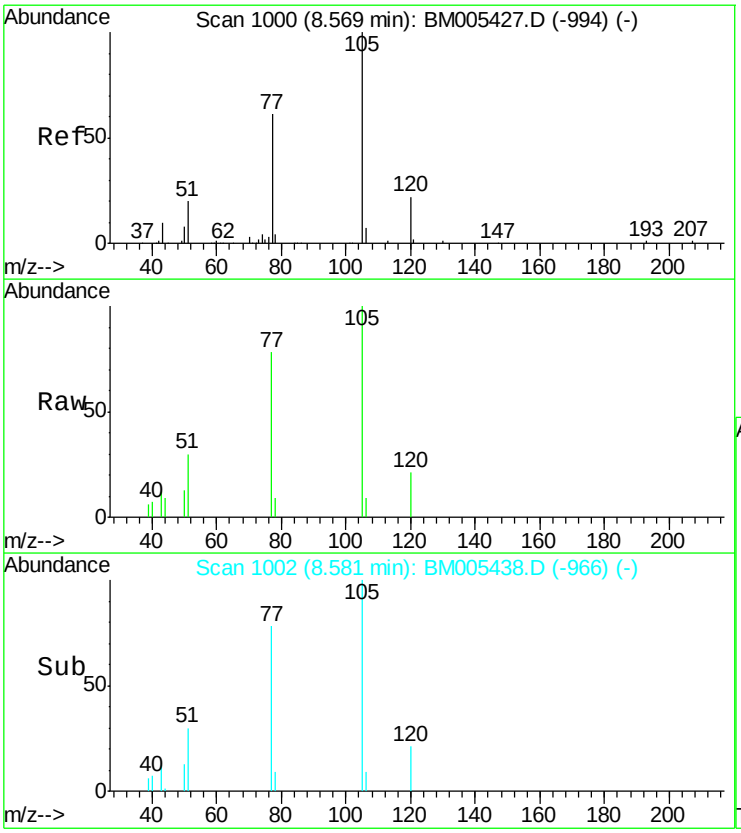
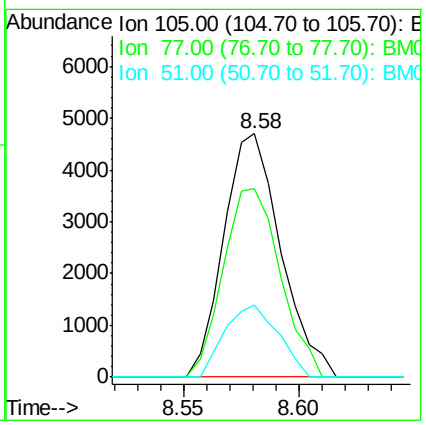
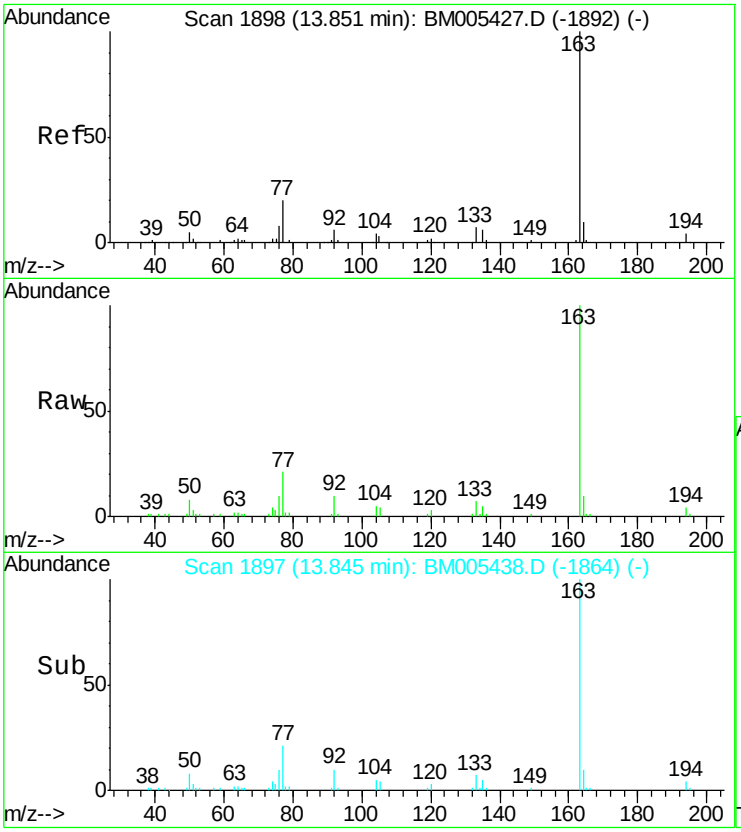


#14
Acetophenone
Concen: 1.16 ng/ul
RT: 8.58 min Scan# 1002
Delta R.T. 0.01 min
Lab File: BM005438.D
Acq: 13 May 2016 18:55

Tgt Ion:105 Resp: 8089

Ion	Ratio	Lower	Upper
105	100		
77	77.6	61.2	91.8
51	29.8	21.2	31.8

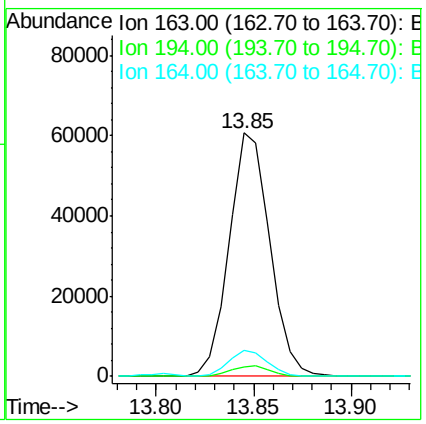




#44
Dimethylphthalate
Concen: 5.94 ng/ul
RT: 13.85 min Scan# 1897
Delta R.T. -0.01 min
Lab File: BM005438.D
Acq: 13 May 2016 18:55

Tgt Ion:163 Resp: 87747

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	10.4	7.9	11.9



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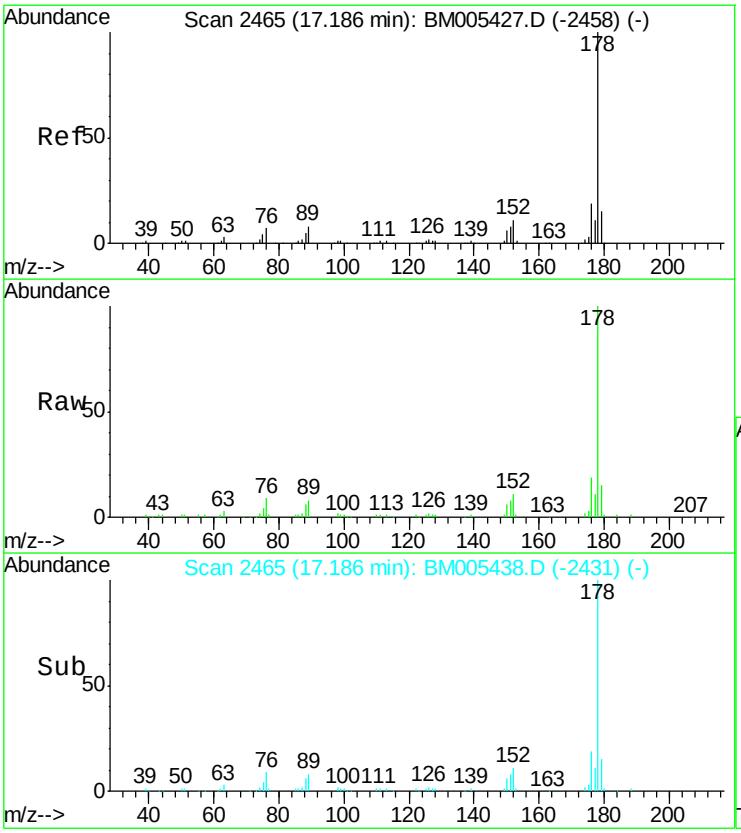
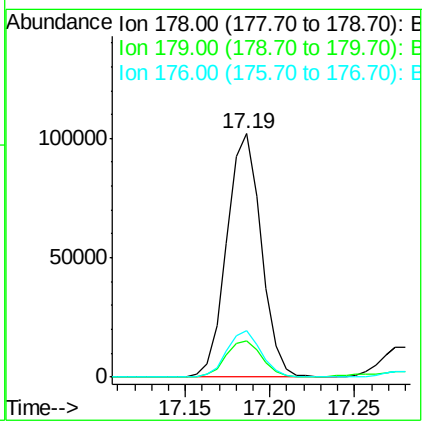
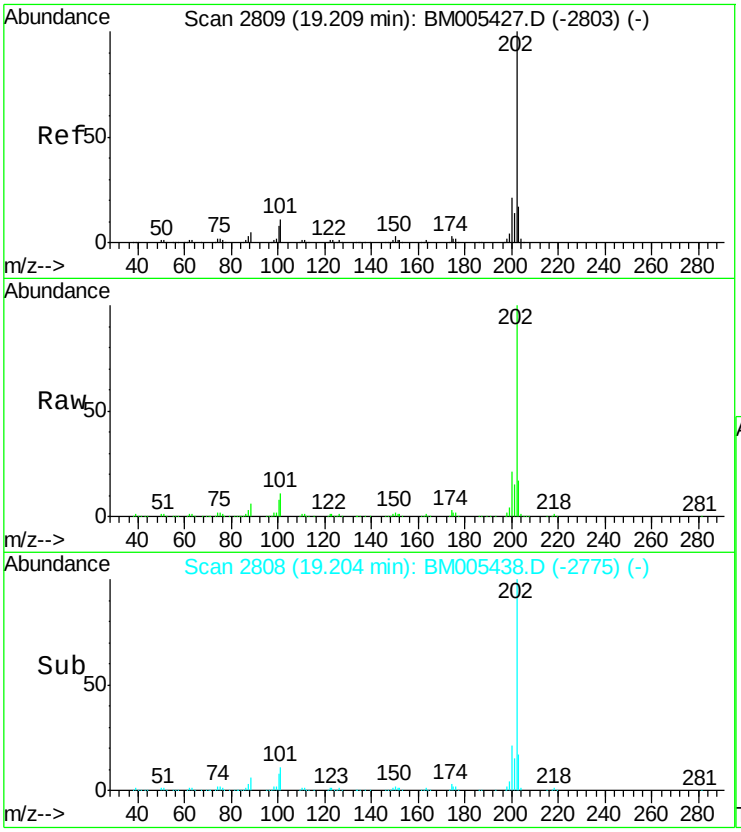


#69
Phenanthrene
Concen: 6.18 ng/ul
RT: 17.19 min Scan# 2465
Delta R.T. 0.00 min
Lab File: BM005438.D
Acq: 13 May 2016 18:55

Tgt Ion:178 Resp: 144828

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.3	18.5
176	19.0	15.2	22.8

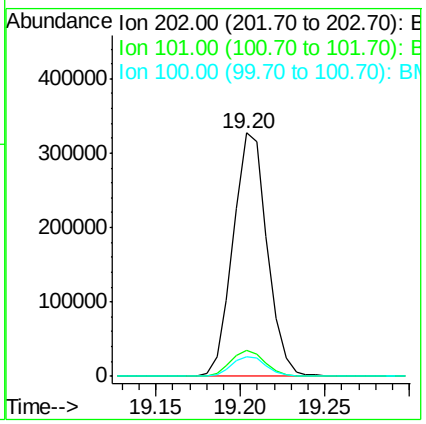




#74
Fluoranthene
Concen: 17.73 ng/ul
RT: 19.20 min Scan# 2808
Delta R.T. -0.01 min
Lab File: BM005438.D
Acq: 13 May 2016 18:55

Tgt Ion:202 Resp: 460160

Ion	Ratio	Lower	Upper
202	100		
101	10.9	9.2	13.8
100	8.3	7.1	10.7



Instrument :
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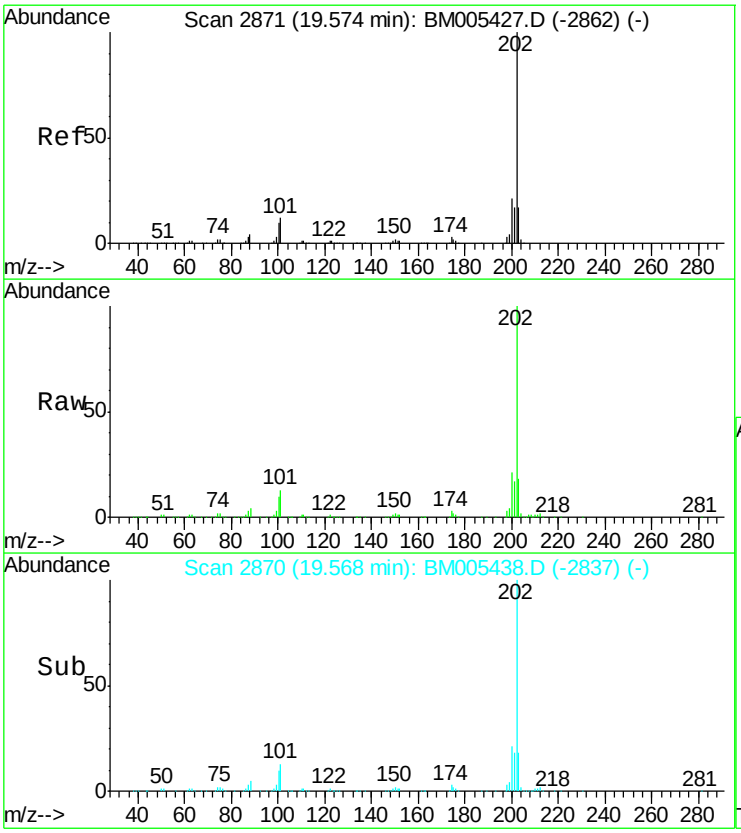
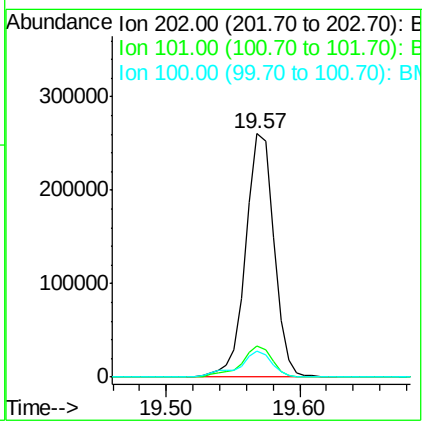
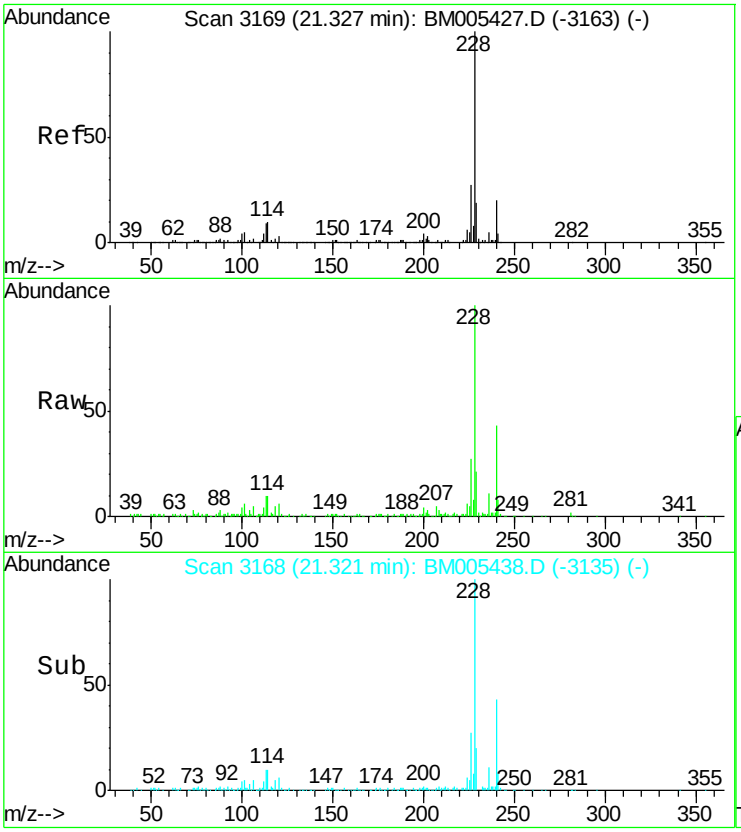


#77
Pyrene
Concen: 13.07 ng/ul
RT: 19.57 min Scan# 2870
Delta R.T. -0.01 min
Lab File: BM005438.D
Acq: 13 May 2016 18:55

Tgt Ion:202 Resp: 381198

Ion	Ratio	Lower	Upper
202	100		
101	12.8	10.8	16.2
100	10.5	8.4	12.6

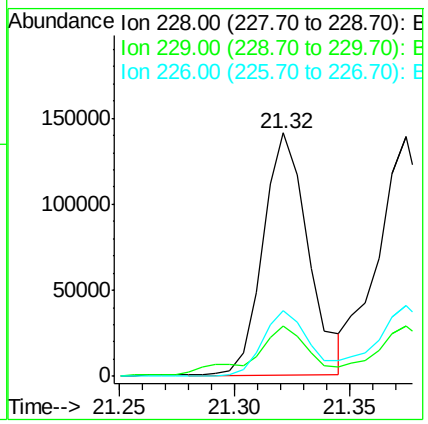




#80
Benzo(a)anthracene
Concen: 6.64 ng/ul
RT: 21.32 min Scan# 3168
Delta R.T. -0.01 min
Lab File: BM005438.D
Acq: 13 May 2016 18:55

Tgt Ion:228 Resp: 192054

Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.5	23.3
226	27.0	21.8	32.8



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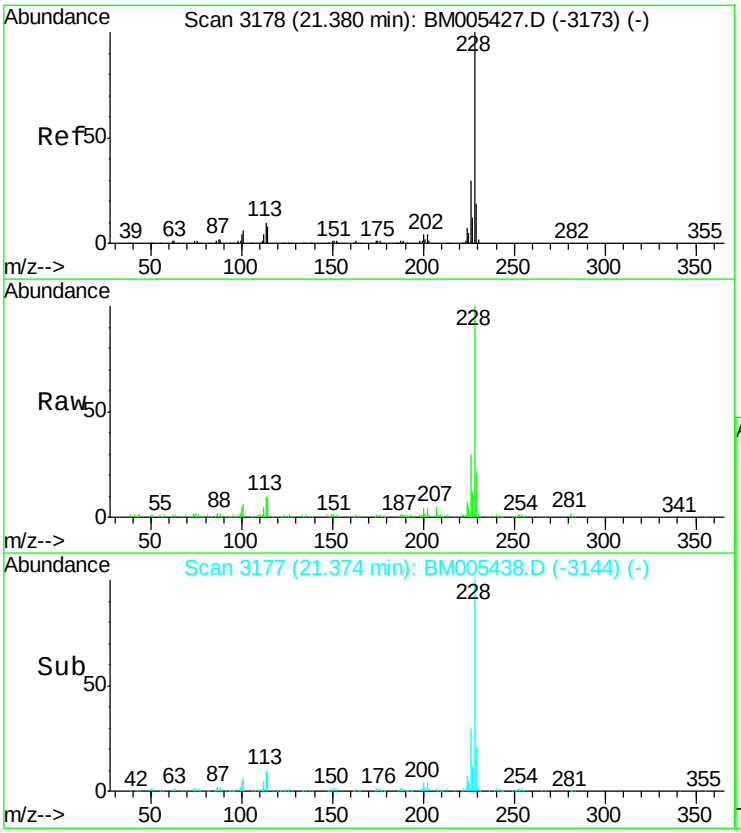
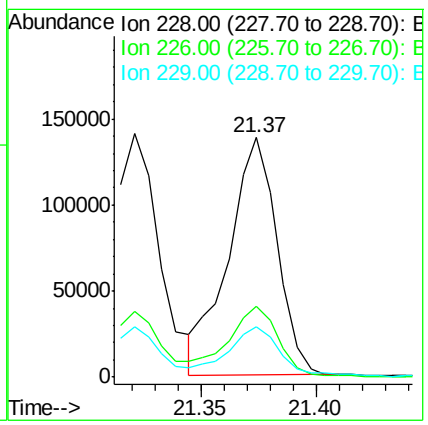
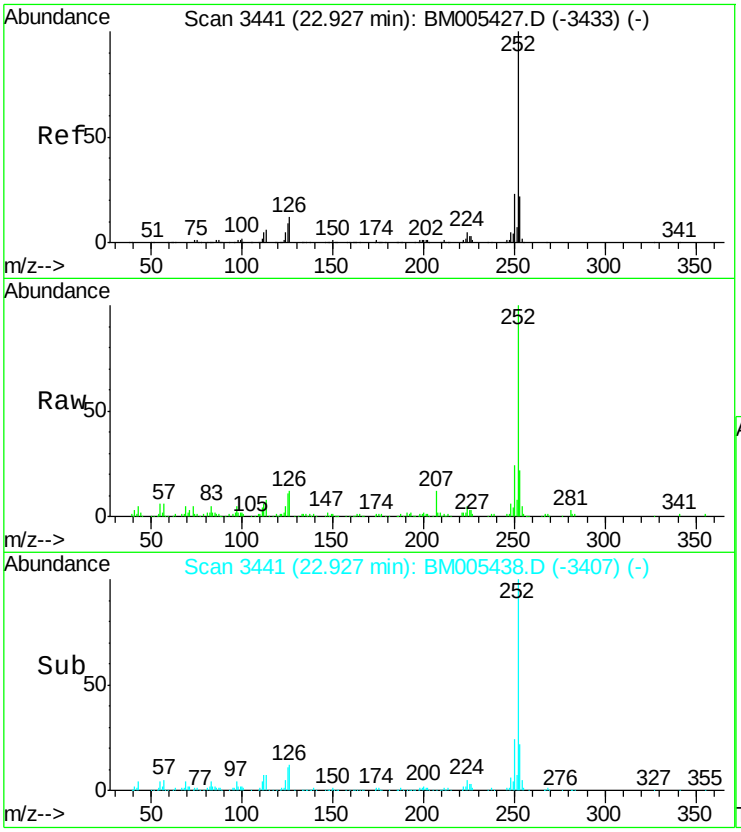


#82
Chrysene
Concen: 7.41 ng/ul
RT: 21.37 min Scan# 3177
Delta R.T. -0.01 min
Lab File: BM005438.D
Acq: 13 May 2016 18:55

Tgt Ion:228 Resp: 203164

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.6	35.4
229	21.0	15.4	23.0

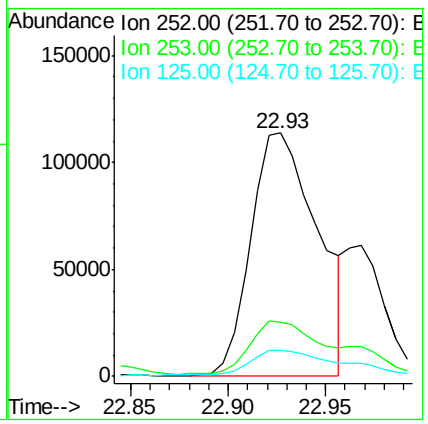




#85
Benzo(b)fluoranthene
Concen: 11.64 ng/ul
RT: 22.93 min Scan# 3441
Delta R.T. 0.00 min
Lab File: BM005438.D
Acq: 13 May 2016 18:55

Tgt Ion:252 Resp: 268156

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	10.9	8.4	12.6



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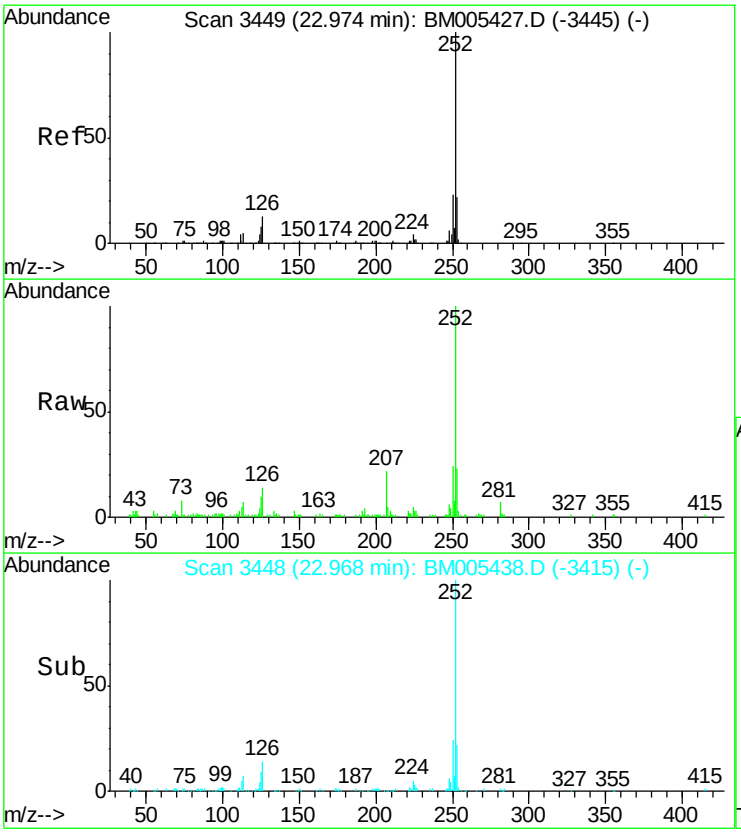
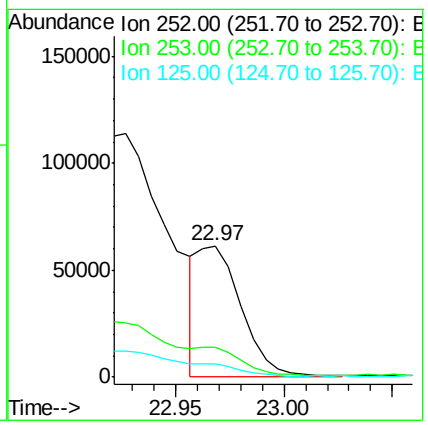
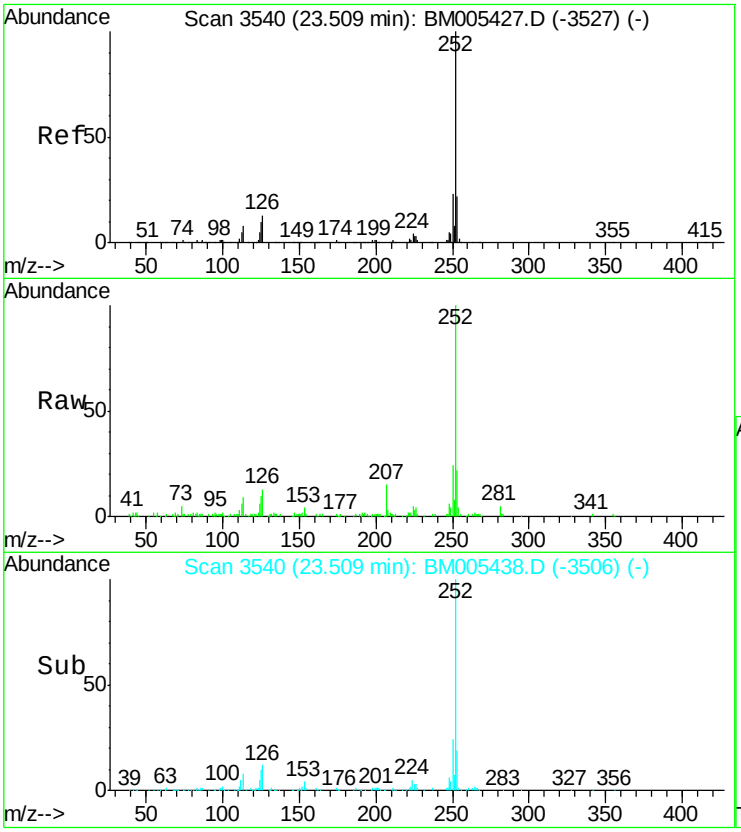


#86
Benzo(k)fluoranthene
Concen: 3.93 ng/ul m
RT: 22.97 min Scan# 3448
Delta R.T. -0.01 min
Lab File: BM005438.D
Acq: 13 May 2016 18:55

Tgt Ion:252 Resp: 85256

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	10.0	8.0	12.0

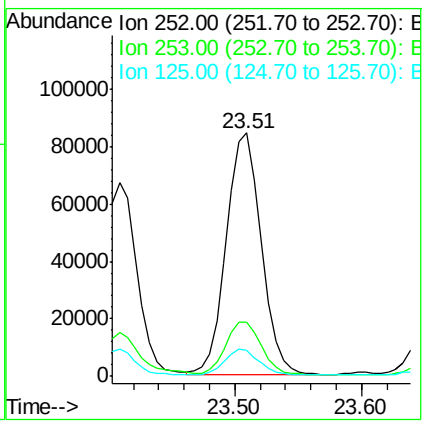




#88
Benzo(a)pyrene
Concen: 7.34 ng/ul
RT: 23.51 min Scan# 3540
Delta R.T. 0.00 min
Lab File: BM005438.D
Acq: 13 May 2016 18:55

Tgt Ion:252 Resp: 160057

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	10.4	8.7	13.1



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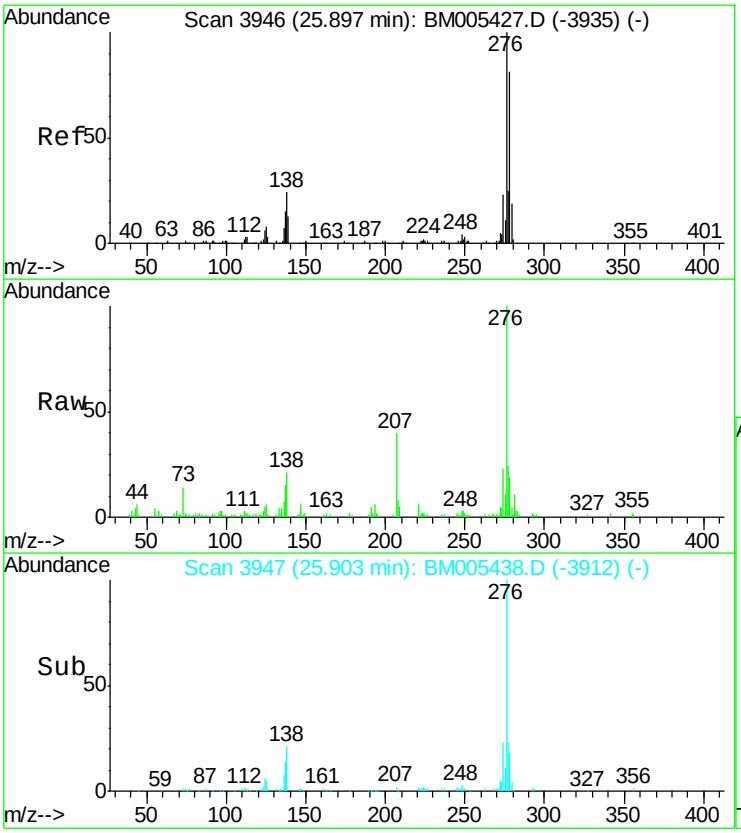
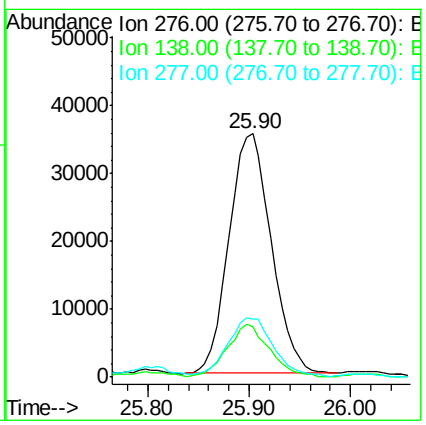
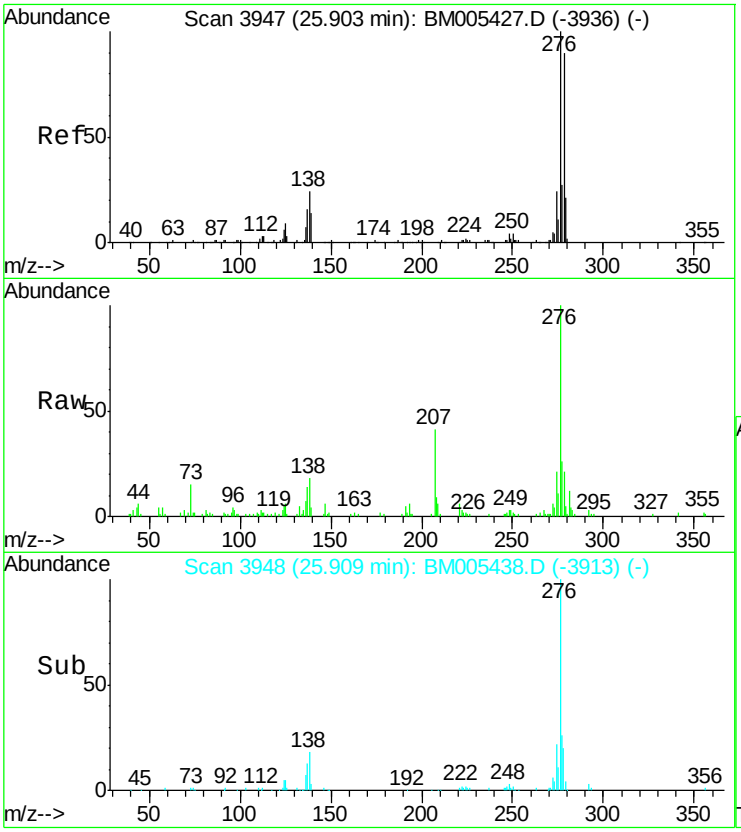


#89
Indeno(1,2,3-cd)pyrene
Concen: 4.32 ng/ul
RT: 25.90 min Scan# 3947
Delta R.T. 0.01 min
Lab File: BM005438.D
Acq: 13 May 2016 18:55

Tgt Ion:276 Resp: 102645

Ion	Ratio	Lower	Upper
276	100		
138	20.9	21.0	31.6#
277	23.7	19.9	29.9

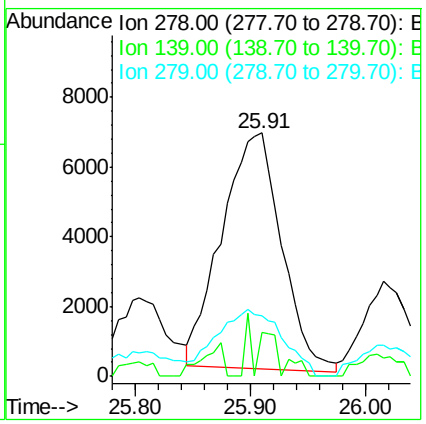




#90
Dibenzo(a,h)anthracene
Concen: 1.22 ng/ul
RT: 25.91 min Scan# 3948
Delta R.T. 0.01 min
Lab File: BM005438.D
Acq: 13 May 2016 18:55

Tgt Ion:278 Resp: 24256

Ion	Ratio	Lower	Upper
278	100		
139	18.2	13.8	20.6
279	24.8	18.9	28.3



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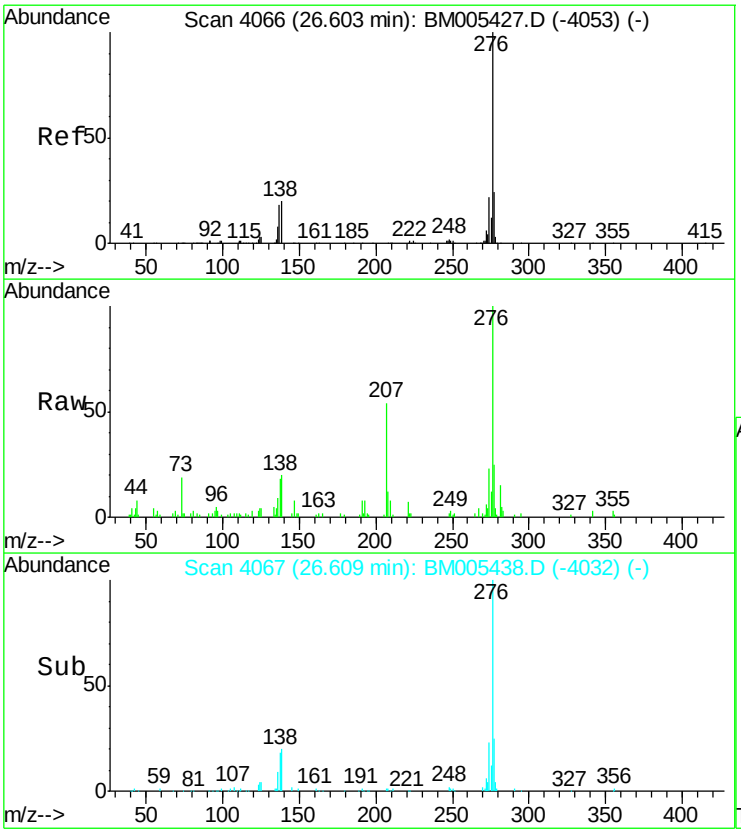

#91
Benzo(g,h,i)perylene
Concen: 4.18 ng/ul
RT: 26.61 min Scan# 4067
Delta R.T. 0.01 min
Lab File: BM005438.D
Acq: 13 May 2016 18:55

Tgt Ion:276 Resp: 84271

Ion	Ratio	Lower	Upper
276	100		
138	20.1	18.2	27.4
277	24.8	19.4	29.2