Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM050916\
Data File : BM005361.D
Acq On : 09 May 2016 15:37
Operator : UM/SJ
Sample : H2888-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WW2

Manual Integrations APPROVED
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5/10/2016 6:45:33 PM

Quant Time: May 10 05:06:04 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 10 04:23:52 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	87282	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	399121	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.41	164	237610	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	528332	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	474176	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	372834	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.27	96	5922	3.19	ng/uL	0.00
5) Phenol-d5	6.94	99	152438	19.26	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	89115	19.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	123683	20.69	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	72844	11.13	ng/ul	0.00
19) Nitrobenzene-d5	8.93	128	60506	21.23	ng/ul	0.00
22) 2-Nitrophenol-d4	9.65	143	69485	21.54	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.18	165	125419	20.92	ng/ul	0.00
29) 4-Chloroaniline-d4	10.70	131	72691m	10.07	ng/ul	0.00
43) Dimethylphthalate-d6	13.82	166	416036	21.84	ng/ul	0.00
46) Acenaphthylene-d8	14.10	160	503071	22.52	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	48454	13.94	ng/ul	0.00
57) Fluorene-d10	15.40	176	367397	22.34	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	52531	17.67	ng/ul	0.00
70) Anthracene-d10	17.26	188	542005	23.21	ng/ul	0.00
76) Pyrene-d10	19.56	212	592547	27.07	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.48	264	382189	23.16	ng/ul	0.00
Target Compounds						Qvalue
14) Acetophenone	8.59	105	10255	1.06	ng/ul	96
44) Dimethylphthalate	13.86	163	86817	4.56	ng/ul	99
47) Acenaphthylene	14.13	152	29966	1.27	ng/ul	99
69) Phenanthrene	17.20	178	257343	9.26	ng/ul	99
71) Anthracene	17.29	178	68457	2.47	ng/ul	99
72) Carbazole	17.56	167	25899	1.06	ng/ul	96
74) Fluoranthene	19.22	202	606552	19.71	ng/ul	98
77) Pyrene	19.59	202	567459	20.63	ng/ul	97
80) Benzo(a)anthracene	21.34	228	290304	10.64	ng/ul	97
82) Chrysene	21.39	228	283016	10.94	ng/ul	97
85) Benzo(b)fluoranthene	22.94	252	327702	15.04	ng/ul	98
86) Benzo(k)fluoranthene	22.98	252	98085m	4.78	ng/ul	
88) Benzo(a)pyrene	23.53	252	211036	10.24	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	25.92	276	133639	5.94	ng/ul#	93
90) Dibenzo(a,h)anthracene	25.92	278	35866	1.91	ng/ul#	79
91) Benzo(g,h,i)perylene	26.62	276	119726	6.29	ng/ul	97

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

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Misc :
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Quant Title : SVOA CALIBRATION
QLast Update : Tue May 10 04:23:52 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9WW2

Manual Integrations APPROVED
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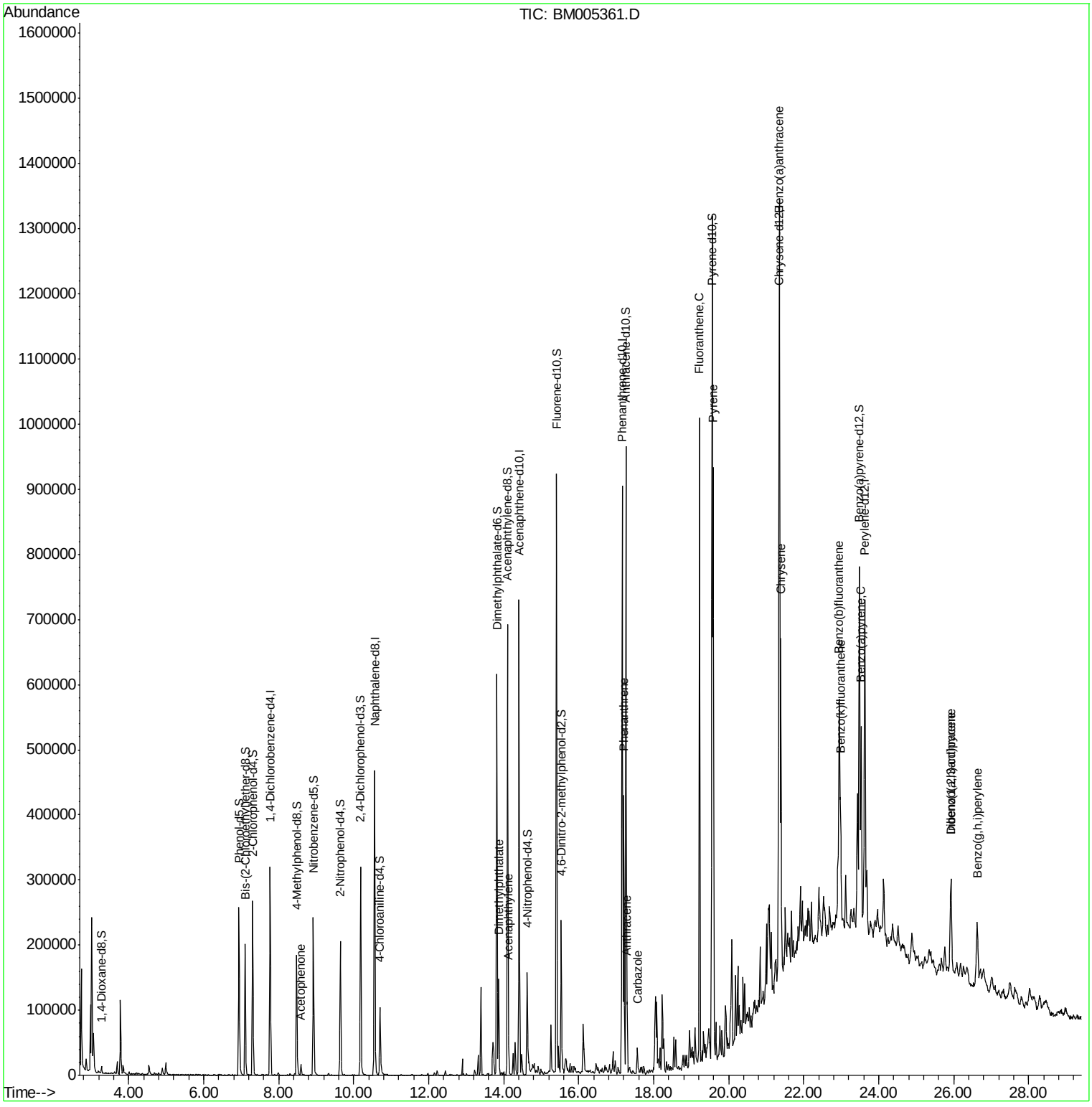
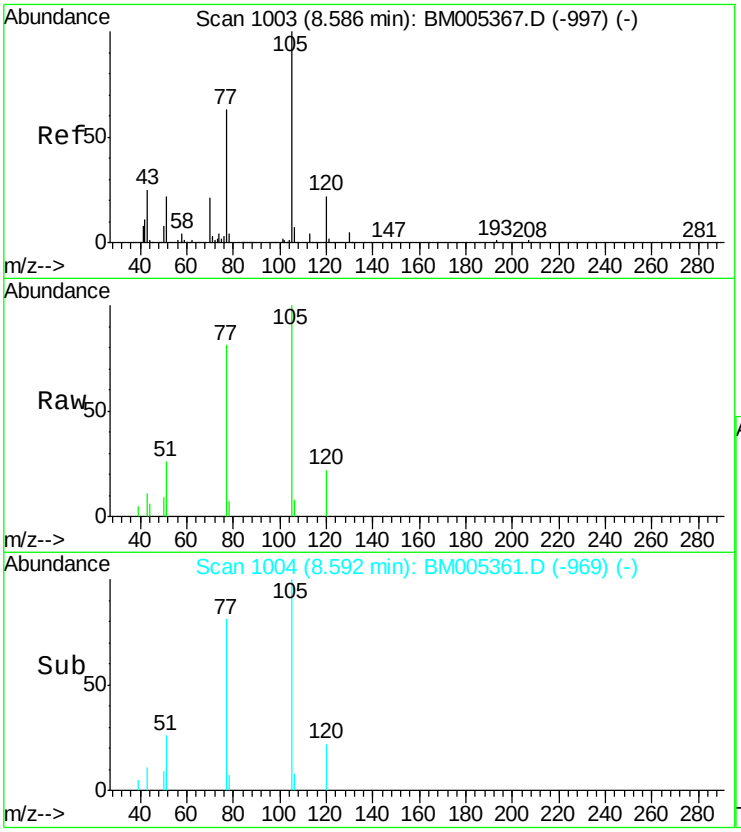
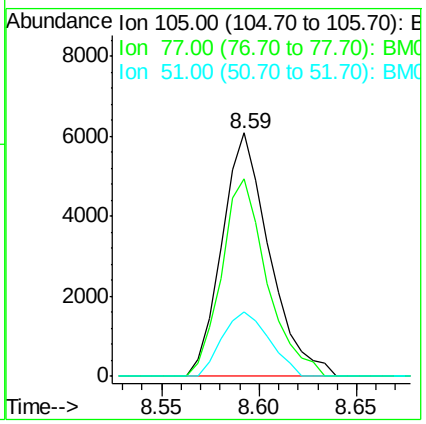




#14
Acetophenone
Concen: 1.06 ng/ul
RT: 8.59 min Scan# 1004
Delta R.T. 0.01 min
Lab File: BM005361.D
Acq: 09 May 2016 15:37

Tgt Ion:105 Resp: 10255

Ion	Ratio	Lower	Upper
105	100		
77	81.2	61.2	91.8
51	26.5	21.2	31.8



Instrument :
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ClientSampleId :
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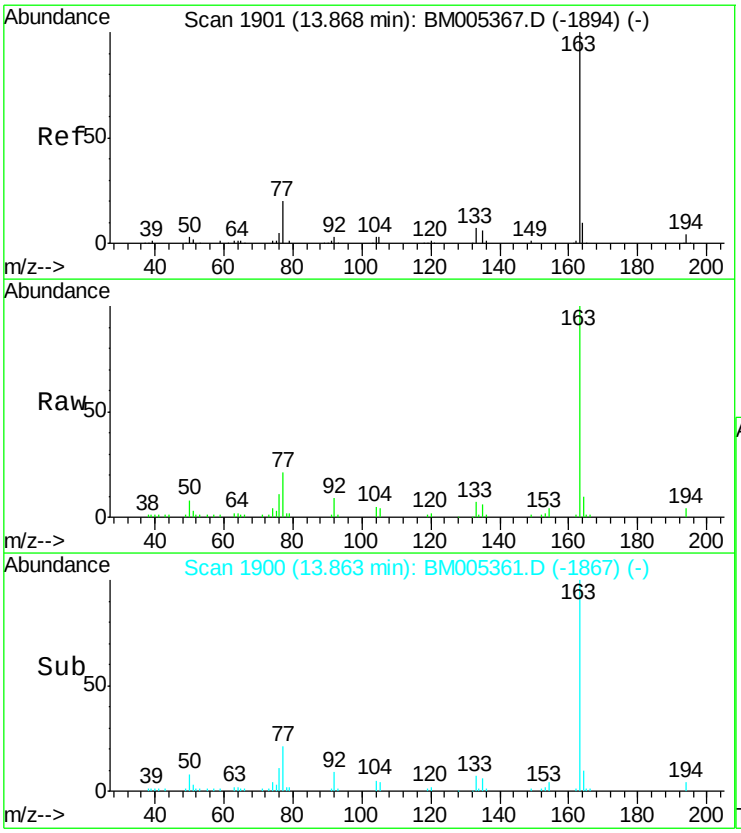
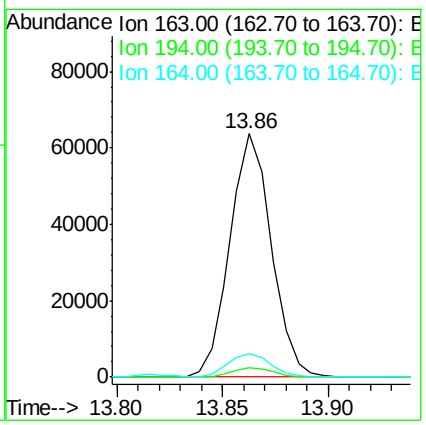
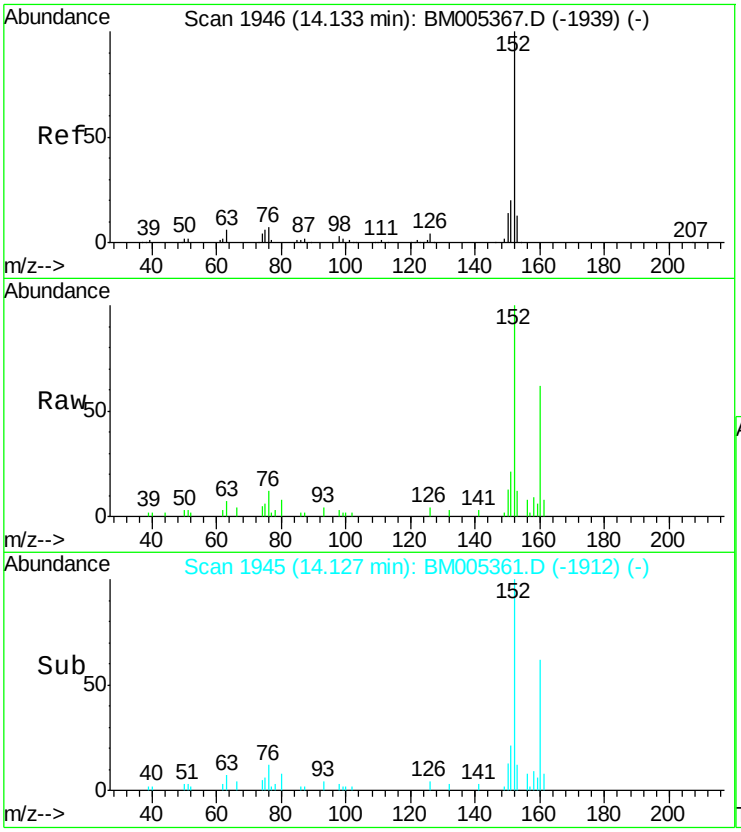


#44
Dimethylphthalate
Concen: 4.56 ng/ul
RT: 13.86 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BM005361.D
Acq: 09 May 2016 15:37

Tgt Ion:163 Resp: 86817

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.4	5.0
164	9.6	7.9	11.9

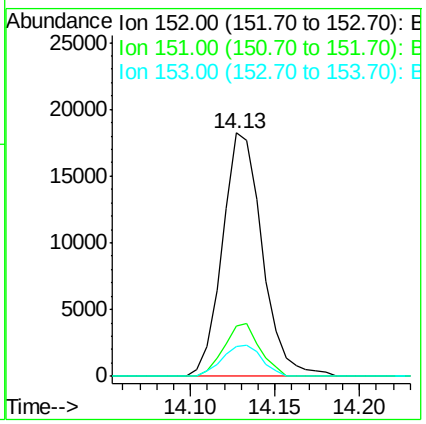




#47
Acenaphthylene
Concen: 1.27 ng/ul
RT: 14.13 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BM005361.D
Acq: 09 May 2016 15:37

Tgt Ion:152 Resp: 29966

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.0	24.0
153	12.3	10.3	15.5



Instrument :
BNA_M
ClientSampleId :
D9WW2

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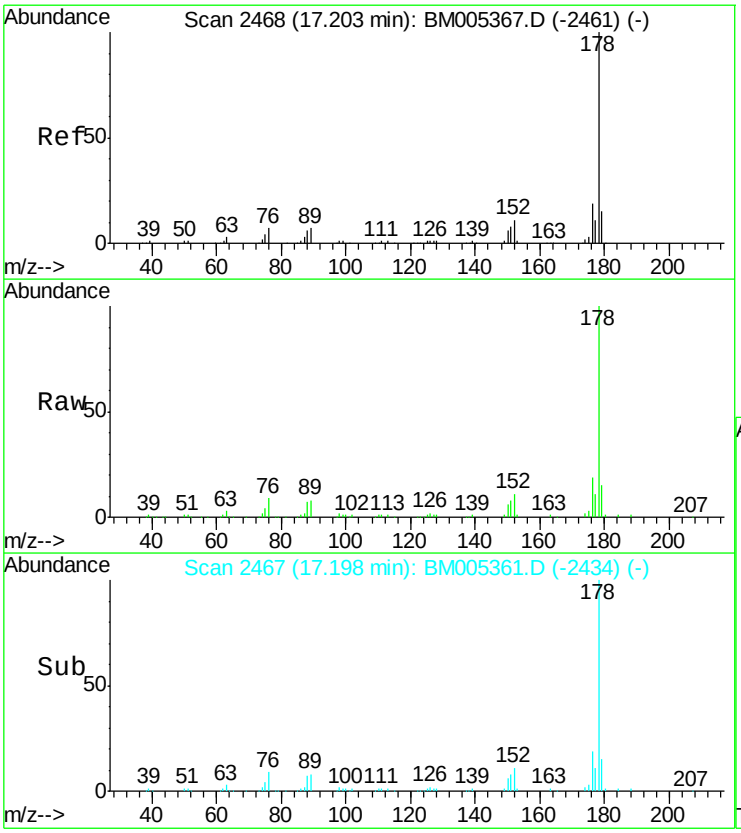
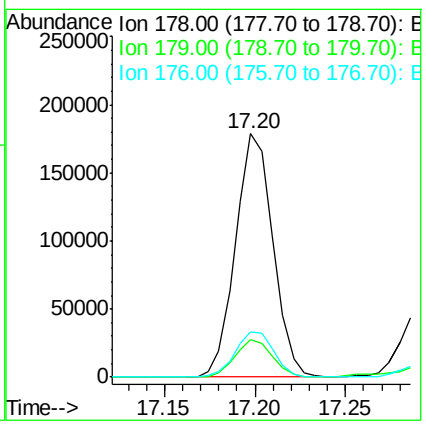
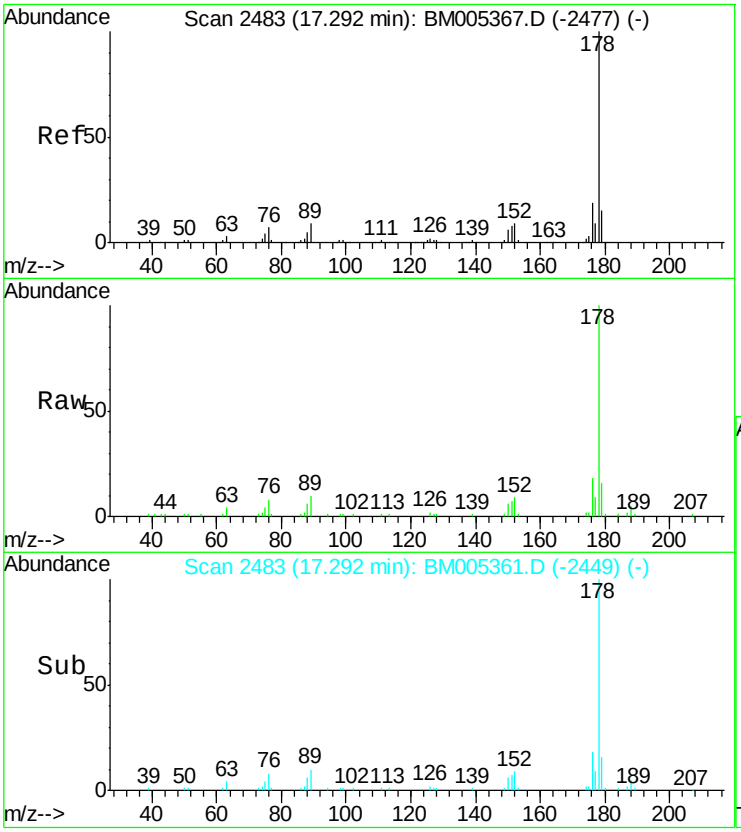


#69
Phenanthrene
Concen: 9.26 ng/ul
RT: 17.20 min Scan# 2467
Delta R.T. -0.01 min
Lab File: BM005361.D
Acq: 09 May 2016 15:37

Tgt Ion:178 Resp: 257343

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5
176	18.6	15.2	22.8

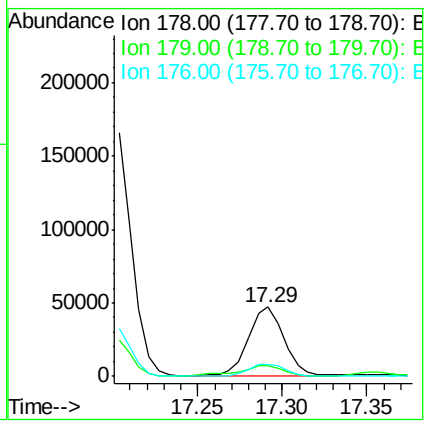




#71
Anthracene
Concen: 2.47 ng/ul
RT: 17.29 min Scan# 2483
Delta R.T. -0.00 min
Lab File: BM005361.D
Acq: 09 May 2016 15:37

Tgt Ion:178 Resp: 68457

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6
176	17.9	15.1	22.7



Instrument :
BNA_M
ClientSampleId :
D9WW2

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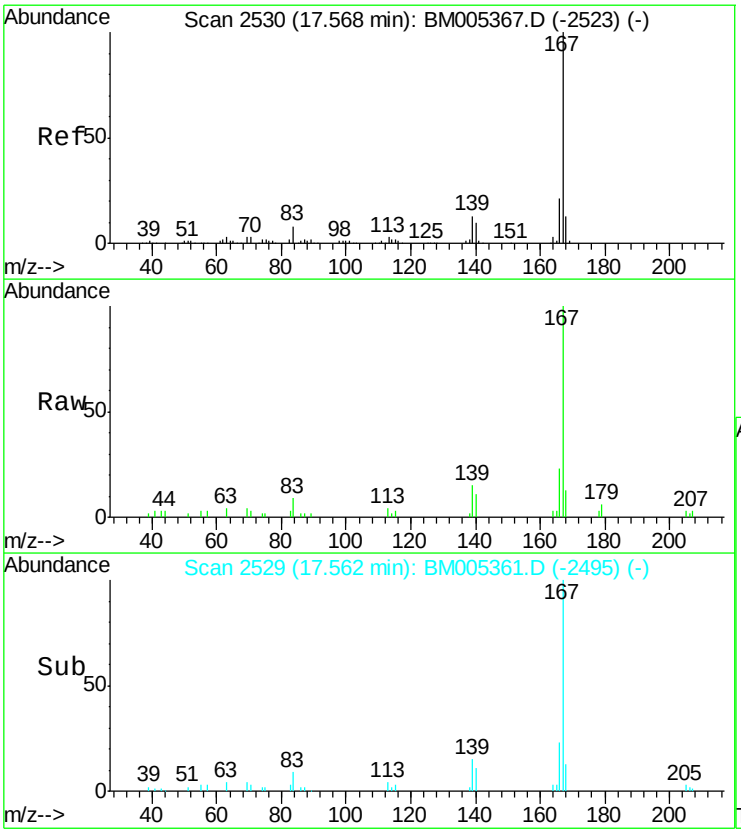
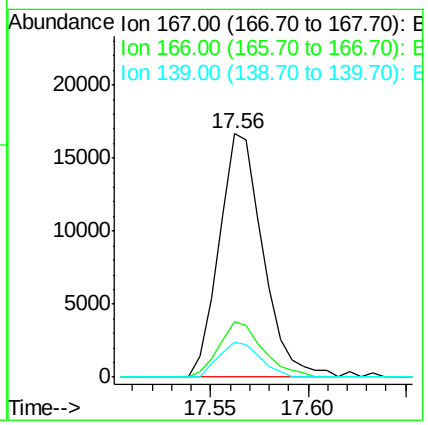
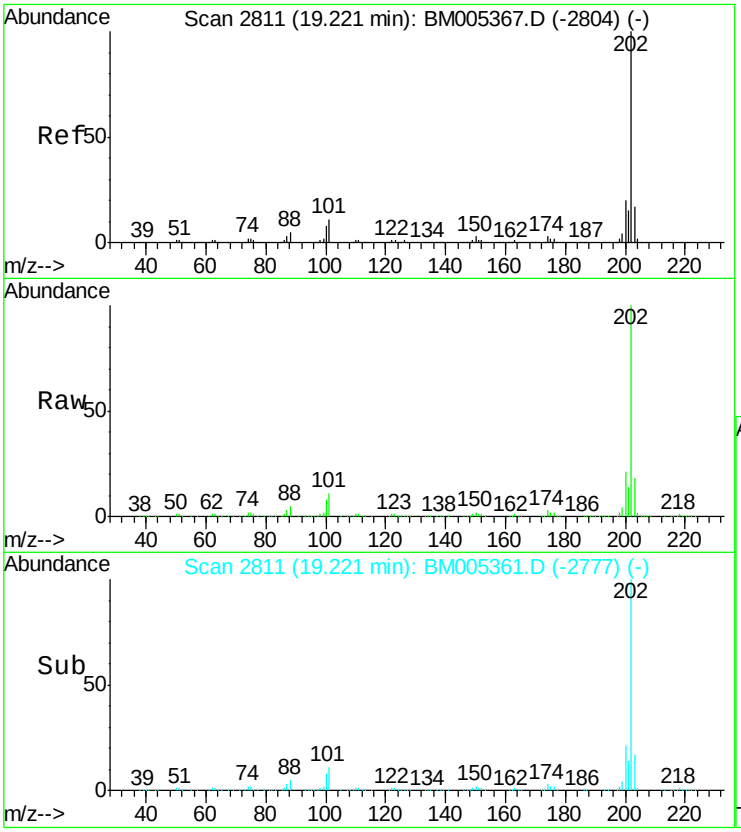


#72
Carbazole
Concen: 1.06 ng/ul
RT: 17.56 min Scan# 2529
Delta R.T. 0.00 min
Lab File: BM005361.D
Acq: 09 May 2016 15:37

Tgt Ion:167 Resp: 25899

Ion	Ratio	Lower	Upper
167	100		
166	23.0	17.1	25.7
139	14.6	10.2	15.2

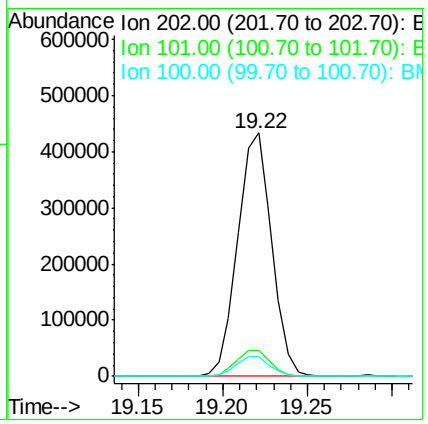




#74
Fluoranthene
Concen: 19.71 ng/ul
RT: 19.22 min Scan# 2811
Delta R.T. 0.00 min
Lab File: BM005361.D
Acq: 09 May 2016 15:37

Tgt Ion:202 Resp: 606552

Ion	Ratio	Lower	Upper
202	100		
101	10.8	9.2	13.8
100	7.9	7.1	10.7



Instrument :
BNA_M
ClientSampleId :
D9WW2

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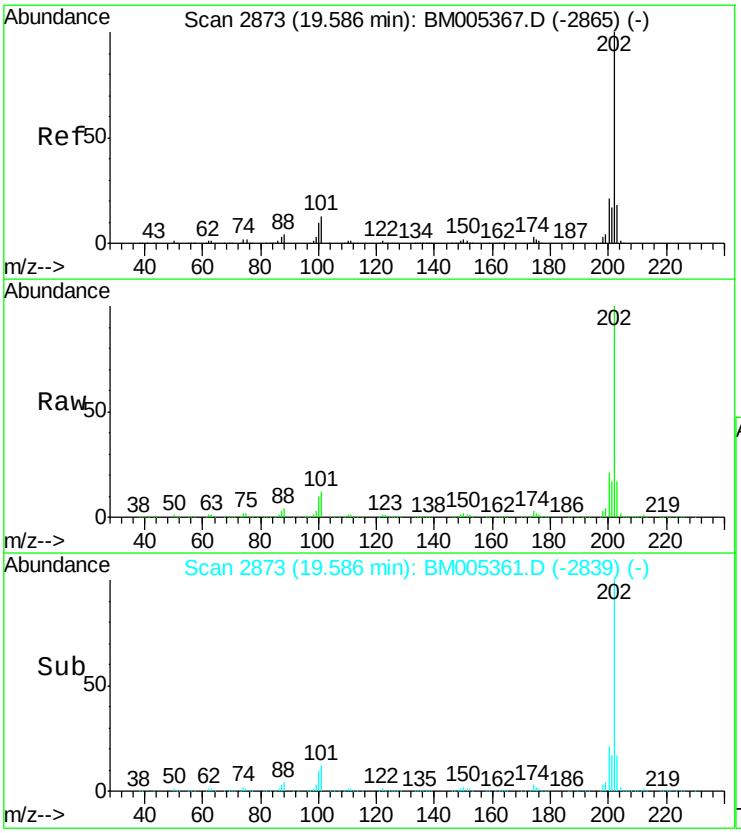
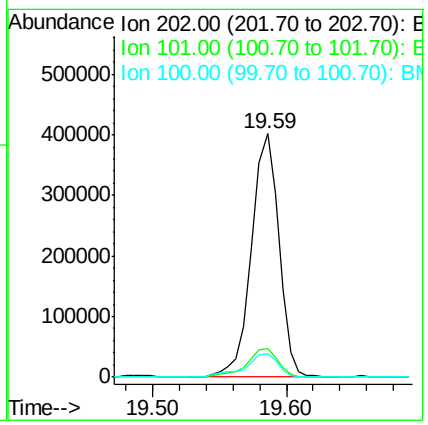
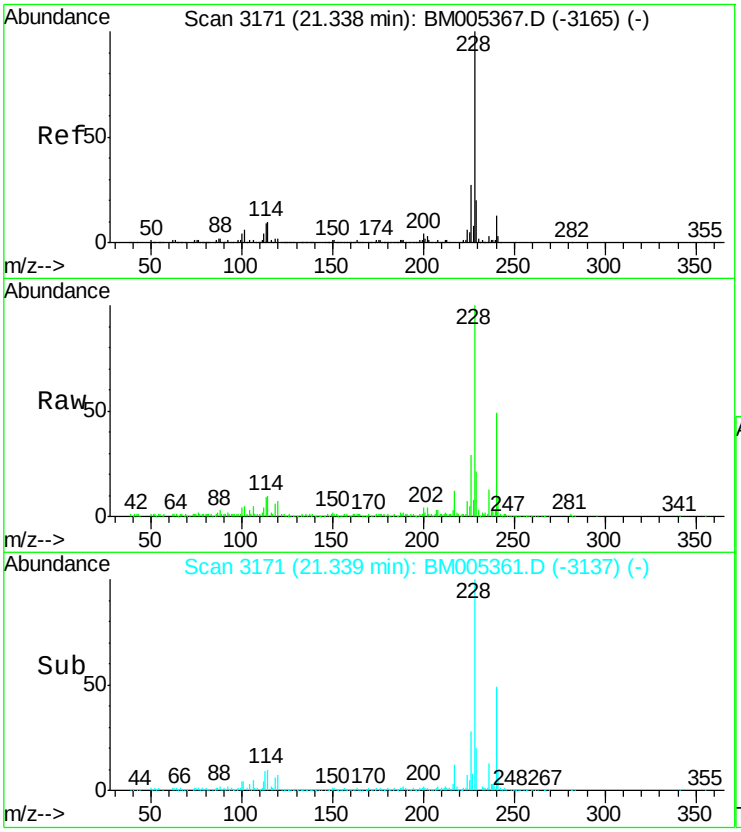


#77
Pyrene
Concen: 20.63 ng/ul
RT: 19.59 min Scan# 2873
Delta R.T. 0.00 min
Lab File: BM005361.D
Acq: 09 May 2016 15:37

Tgt Ion:202 Resp: 567459

Ion	Ratio	Lower	Upper
202	100		
101	11.9	10.8	16.2
100	9.5	8.4	12.6

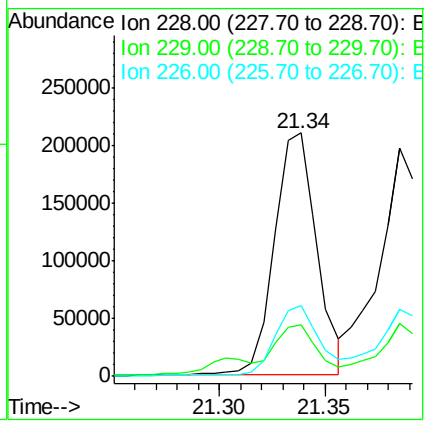




#80
Benzo(a)anthracene
Concen: 10.64 ng/ul
RT: 21.34 min Scan# 3171
Delta R.T. -0.00 min
Lab File: BM005361.D
Acq: 09 May 2016 15:37

Tgt Ion:228 Resp: 290304

Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.5	23.3
226	28.8	21.8	32.8



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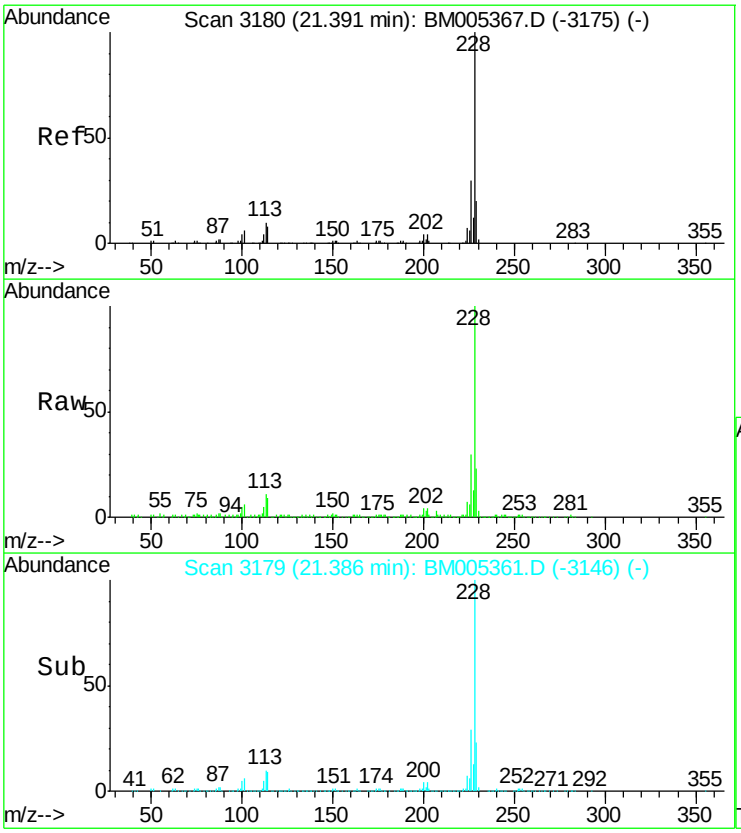
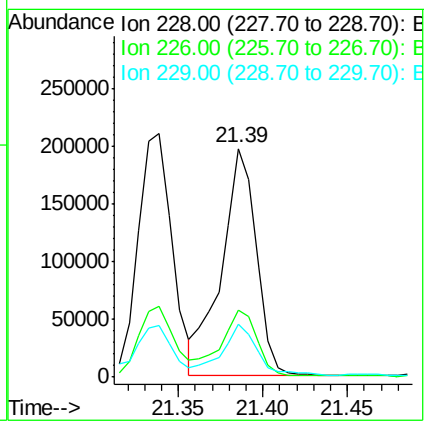
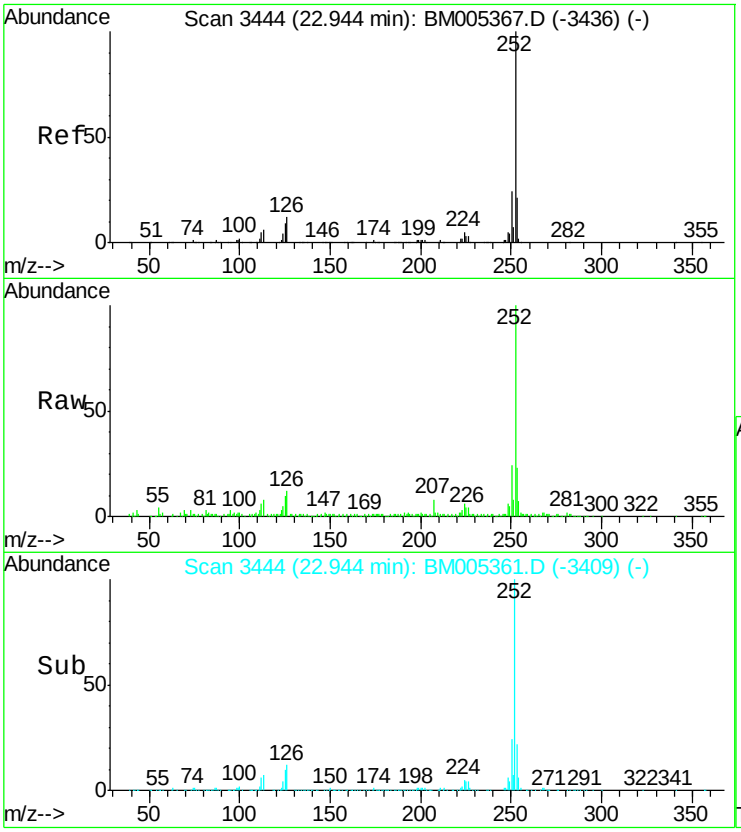


#82
Chrysene
Concen: 10.94 ng/ul
RT: 21.39 min Scan# 3179
Delta R.T. -0.01 min
Lab File: BM005361.D
Acq: 09 May 2016 15:37

Tgt Ion:228 Resp: 283016

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.6	35.4
229	23.0	15.4	23.0

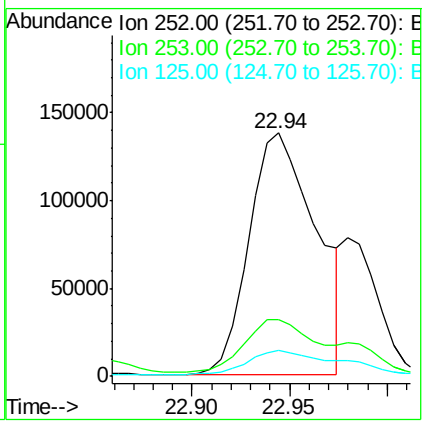




#85
Benzo(b)fluoranthene
Concen: 15.04 ng/ul
RT: 22.94 min Scan# 3444
Delta R.T. 0.01 min
Lab File: BM005361.D
Acq: 09 May 2016 15:37

Tgt Ion:252 Resp: 327702

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	10.4	8.4	12.6



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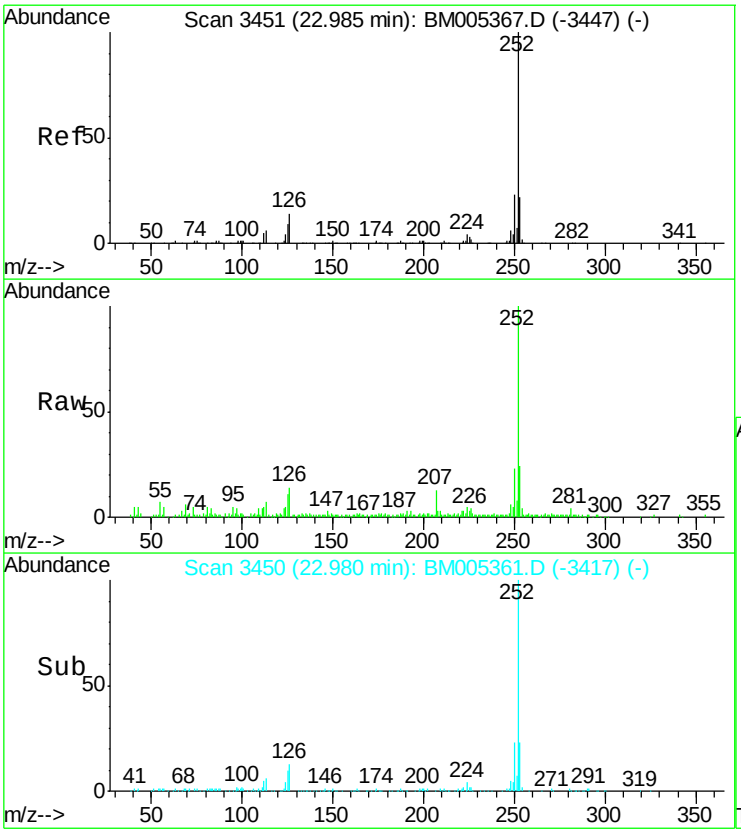
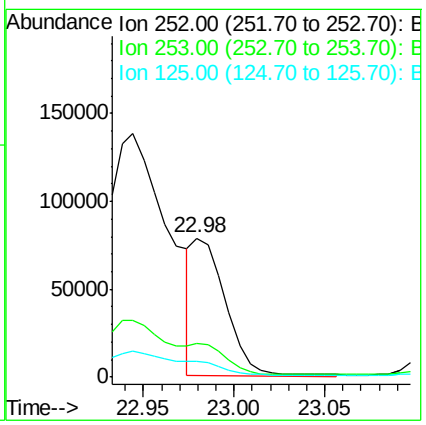
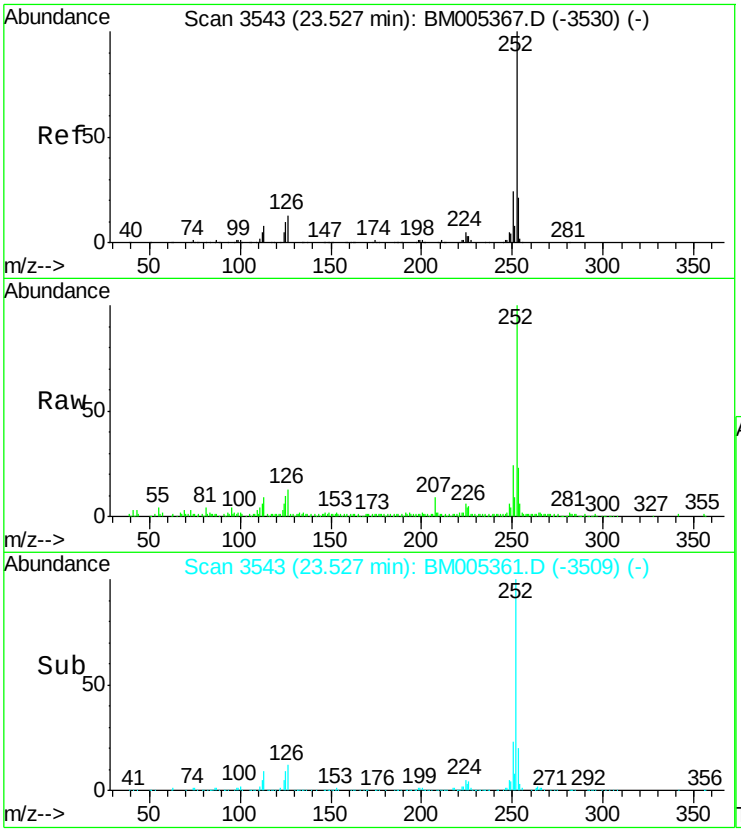


#86
Benzo(k)fluoranthene
Concen: 4.78 ng/ul m
RT: 22.98 min Scan# 3450
Delta R.T. -0.01 min
Lab File: BM005361.D
Acq: 09 May 2016 15:37

Tgt Ion:252 Resp: 98085

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.3	25.9
125	11.2	8.0	12.0





#88
Benzo(a)pyrene
Concen: 10.24 ng/ul
RT: 23.53 min Scan# 3543
Delta R.T. 0.00 min
Lab File: BM005361.D
Acq: 09 May 2016 15:37

Tgt Ion:252 Resp: 211036

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	10.4	8.7	13.1

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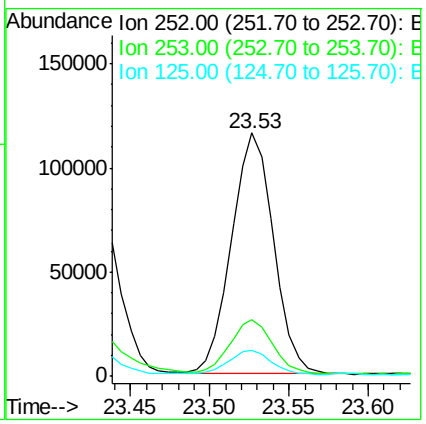
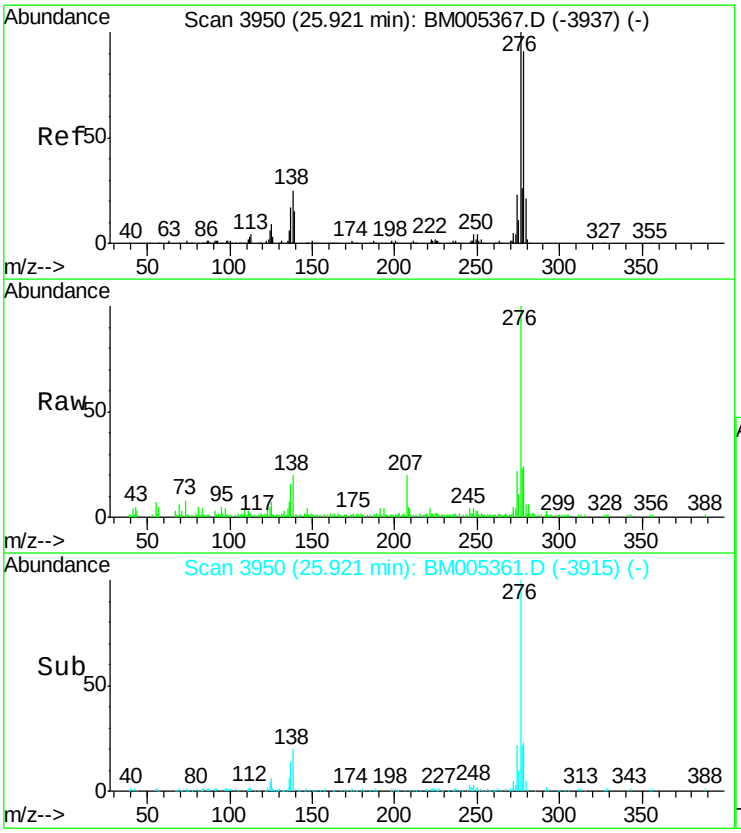
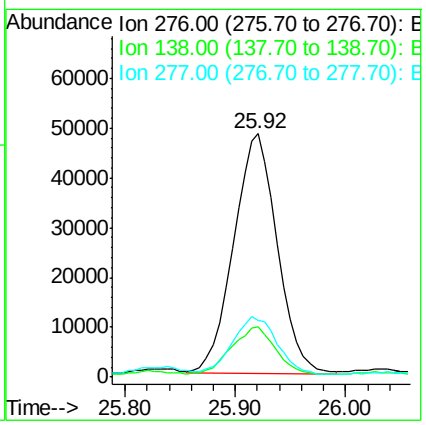


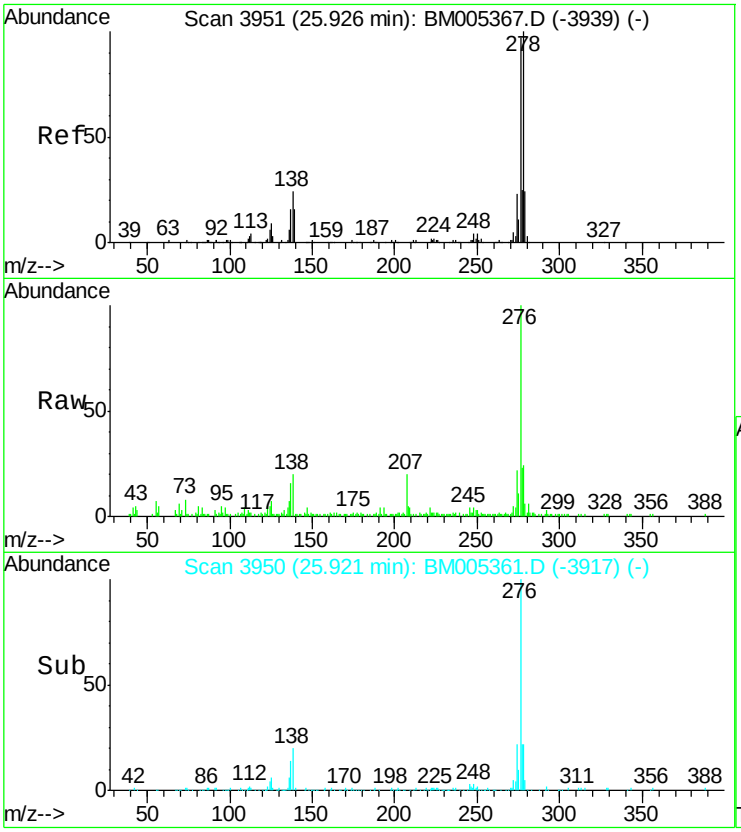


#89
Indeno(1,2,3-cd)pyrene
Concen: 5.94 ng/ul
RT: 25.92 min Scan# 3950
Delta R.T. 0.01 min
Lab File: BM005361.D
Acq: 09 May 2016 15:37

Tgt Ion:276 Resp: 133639

Ion	Ratio	Lower	Upper
276	100		
138	20.4	21.0	31.6#
277	23.3	19.9	29.9

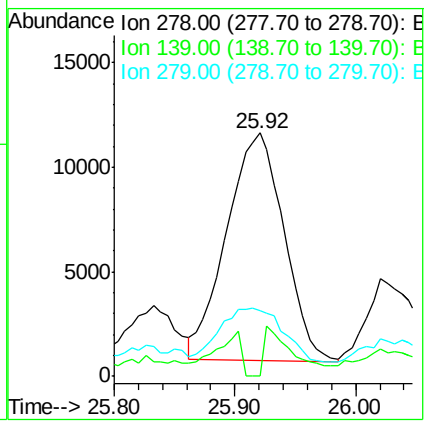




#90
Dibenzo(a,h)anthracene
Concen: 1.91 ng/ul
RT: 25.92 min Scan# 3950
Delta R.T. -0.01 min
Lab File: BM005361.D
Acq: 09 May 2016 15:37

Tgt Ion:278 Resp: 35866

Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.8	20.6#
279	27.0	18.9	28.3



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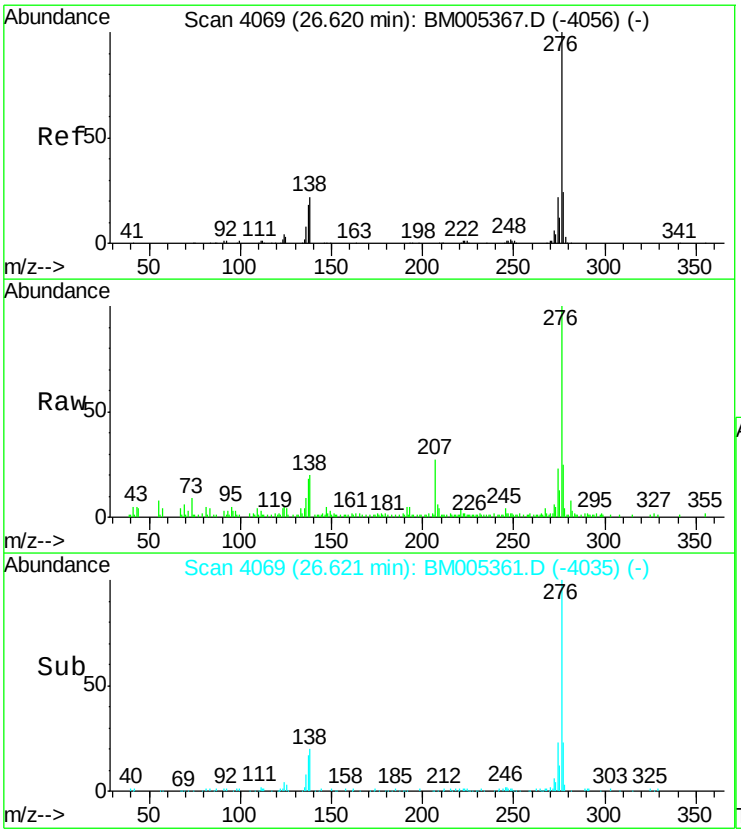

#91
Benzo(g,h,i)perylene
Concen: 6.29 ng/ul
RT: 26.62 min Scan# 4069
Delta R.T. 0.00 min
Lab File: BM005361.D
Acq: 09 May 2016 15:37

Tgt Ion:276 Resp: 119726

Ion	Ratio	Lower	Upper
276	100		
138	20.2	18.2	27.4
277	24.5	19.4	29.2