Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062716\
Data File : BM006086.D
Acq On : 28 Jun 2016 00:57
Operator : UM/SJ
Sample : H3779-05MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9YD4MSD

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Quant Time: Jun 28 14:13:21 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 28 02:11:41 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	223709	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1166207	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	772329	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	1944125	20.00	ng/ul	0.00
29) Chrysene-d12	21.27	240	1459034	20.00	ng/ul	0.01
34) Perylene-d12	23.49	264	1743422	20.00	ng/ul	0.01
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	5128	1.02	ng/uL	0.00
3) Phenol-d5	6.83	99	342648	14.56	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.00	67	181577	13.87	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	246078	15.01	ng/ul	0.00
6) 4-Methylphenol-d8	8.37	113	285250	14.36	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	131581	14.82	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	139593	14.13	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	296324	15.64	ng/ul	0.00
12) 4-Chloroaniline-d4	10.58	131	323493	15.73	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	934608	14.14	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	1222105	15.94	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	193580	13.72	ng/ul	0.00
21) Fluorene-d10	15.30	176	887626	15.72	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.44	200	41540	3.85	ng/ul	0.00
26) Anthracene-d10	17.16	188	1488602	16.67	ng/ul	0.00
30) Pyrene-d10	19.46	212	1498465	23.45	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.35	264	1282527	16.29	ng/ul	0.01
Target Compounds						Qvalue
11) Naphthalene	10.49	128	181855	3.12	ng/ul	99
13) 2-Methylnaphthalene	12.11	142	76758	1.64	ng/ul	100
14) 1-Methylnaphthalene	12.33	142	68347	1.52	ng/ul#	96
18) Acenaphthylene	14.03	152	936874	11.59	ng/ul	99
19) Acenaphthene	14.37	153	1048102	20.41	ng/ul	99
22) Fluorene	15.36	166	993761	16.06	ng/ul	98
25) Phenanthrene	17.12	178	10442553	99.86	ng/ul	97
27) Anthracene	17.20	178	3433956	31.81	ng/ul	100
28) Fluoranthene	19.14	202	14392050	107.45	ng/ul	99
31) Pyrene	19.51	202	12031857m	144.05	ng/ul	
32) Benzo(a)anthracene	21.25	228	6784676	78.28	ng/ul	94
33) Chrysene	21.31	228	6333354	79.99	ng/ul	95
35) Benzo(b)fluoranthene	22.84	252	8146898	80.42	ng/ul	96
36) Benzo(k)fluoranthene	22.87	252	2715539m	28.82	ng/ul	
38) Benzo(a)pyrene	23.40	252	5283502m	54.40	ng/ul	
39) Indeno(1,2,3-cd)pyrene	25.73	276	3973216	34.32	ng/ul#	92
40) Dibenzo(a,h)anthracene	25.73	278	1182082m	12.28	ng/ul	
41) Benzo(g,h,i)perylene	26.43	276	3360873	33.56	ng/ul	97

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

Quantitation Report (QT Reviewed)

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Acq On : 28 Jun 2016 00:57
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Sample : H3779-05MSD
Misc :
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 28 02:11:41 2016
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Instrument :
BNA_M
ClientSampleId :
D9YD4MSD

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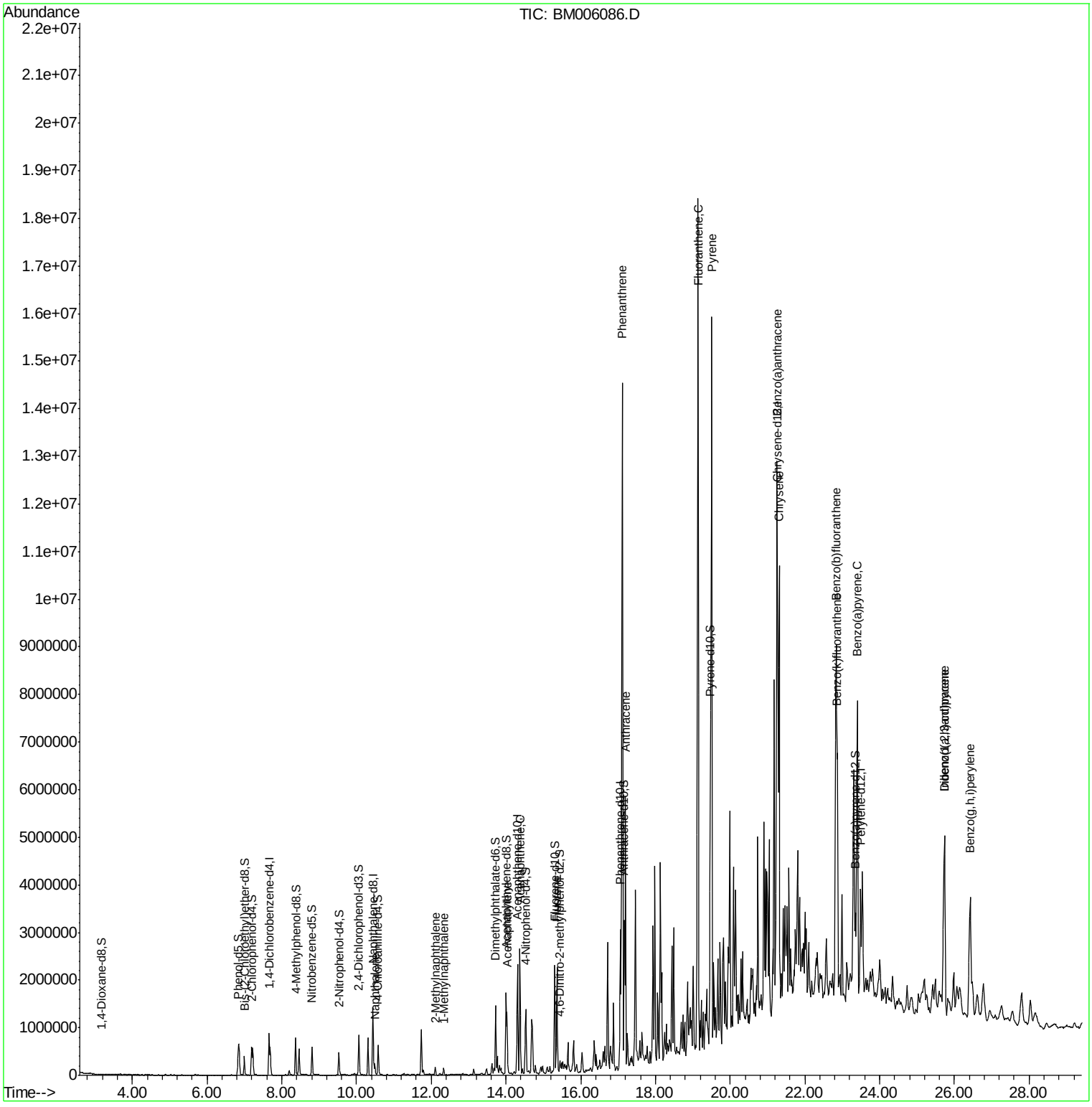
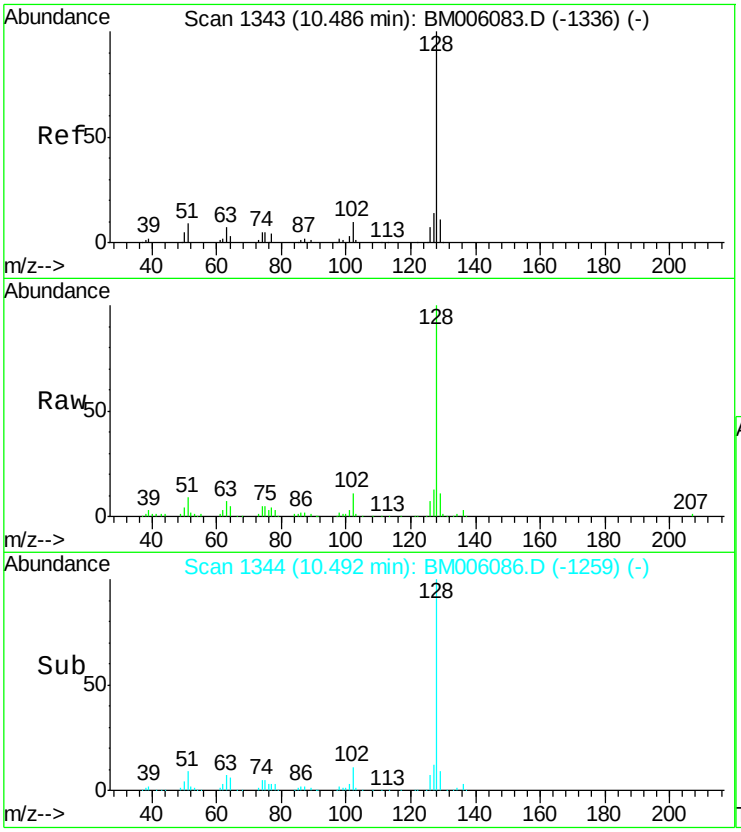
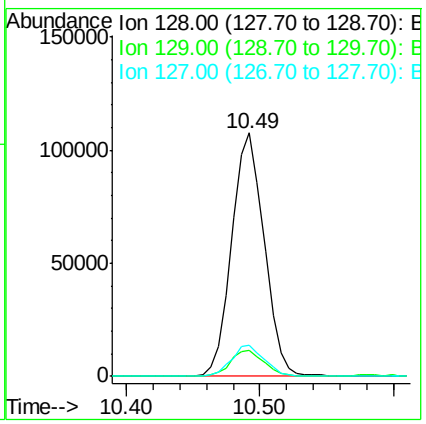




#11
Naphthalene
Concen: 3.12 ng/ul
RT: 10.49 min Scan# 1344
Delta R.T. 0.00 min
Lab File: BM006086.D
Acq: 28 Jun 2016 00:57

Tgt Ion:128 Resp: 181855

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	12.6	10.5	15.7



Instrument :
BNA_M
ClientSampleId :
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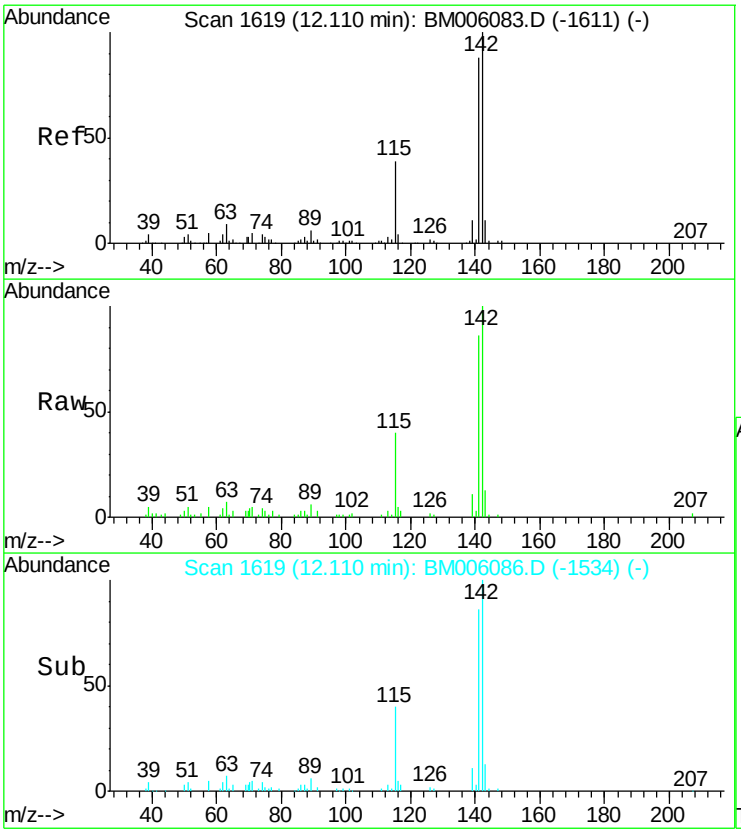
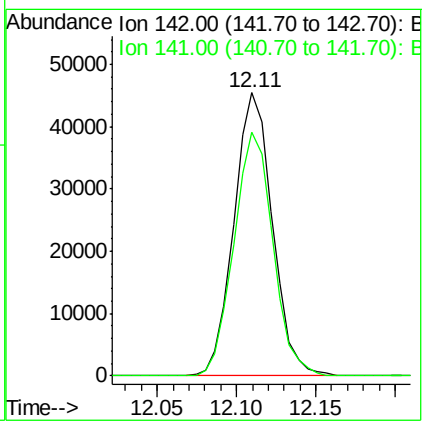
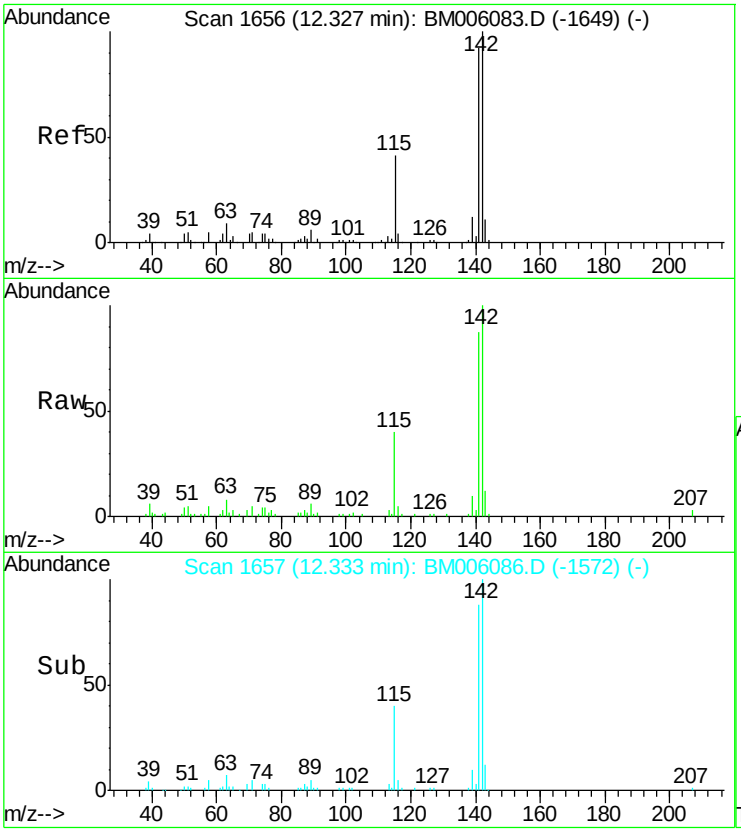


#13
2-Methylnaphthalene
Concen: 1.64 ng/ul
RT: 12.11 min Scan# 1619
Delta R.T. 0.00 min
Lab File: BM006086.D
Acq: 28 Jun 2016 00:57

Tgt Ion:142 Resp: 76758

Ion	Ratio	Lower	Upper
142	100		
141	85.9	69.0	103.6





#14
1-Methylnaphthalene
Concen: 1.52 ng/ul
RT: 12.33 min Scan# 1657
Delta R.T. 0.00 min
Lab File: BM006086.D
Acq: 28 Jun 2016 00:57

Tgt Ion:142 Resp: 68347

Ion	Ratio	Lower	Upper
142	100		
141	87.0	73.0	109.4
116	5.0	3.0	4.6#

Instrument :
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ClientSampleId :
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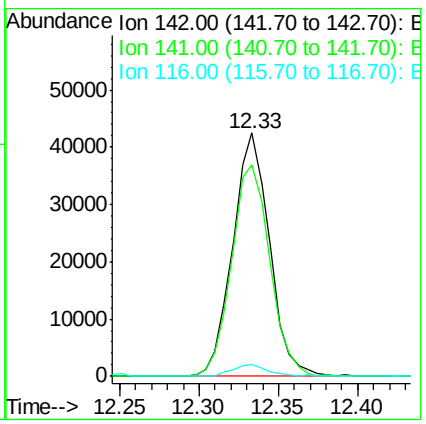
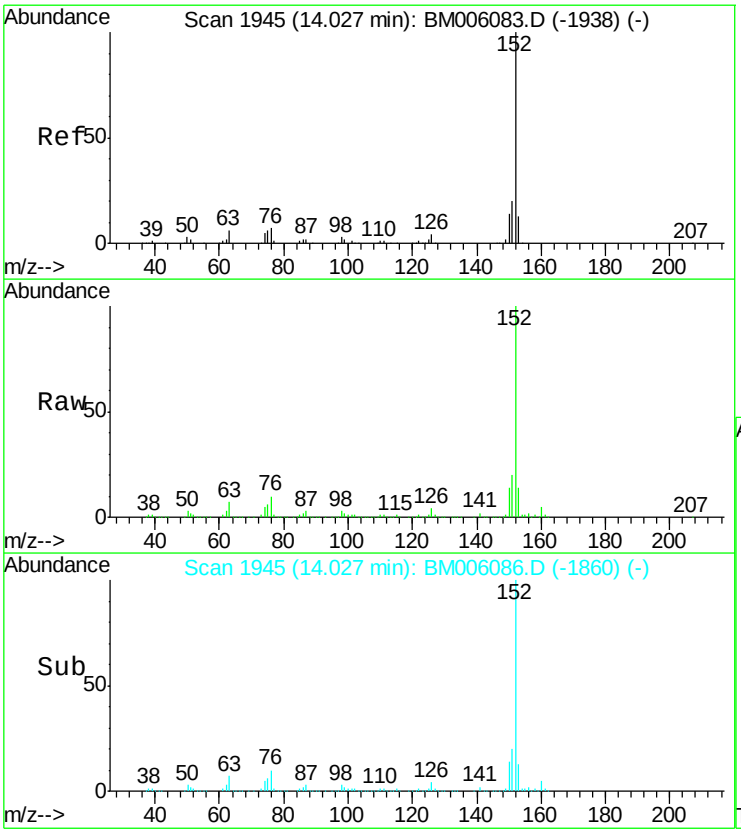
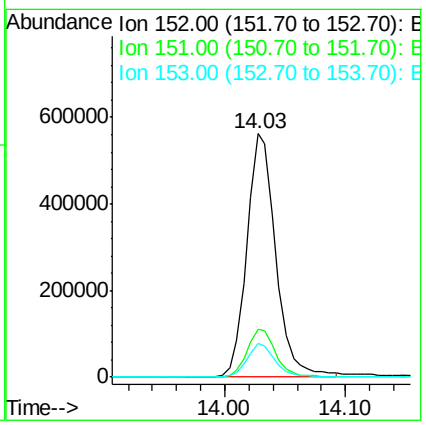


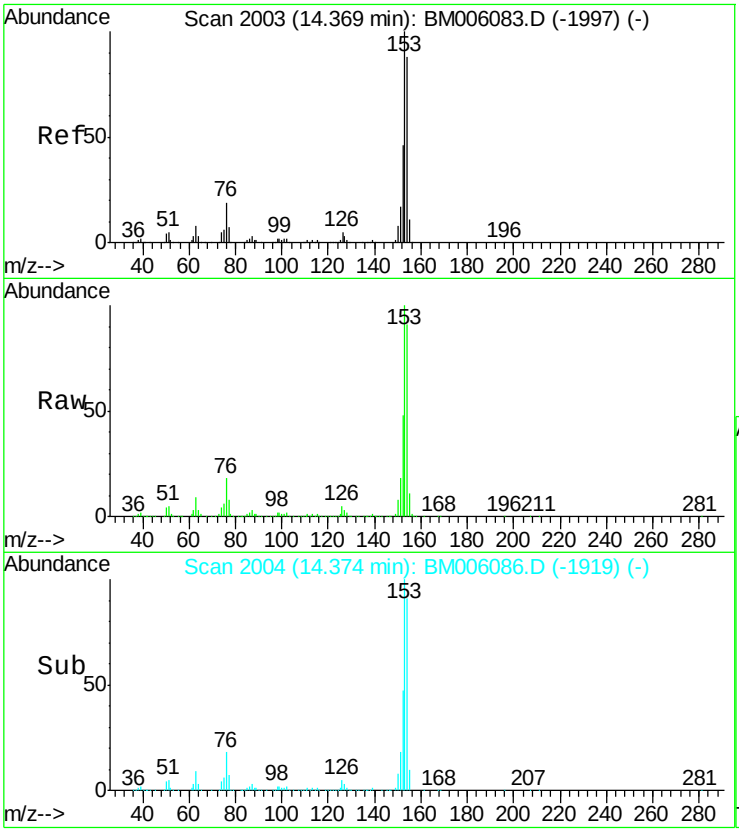


#18
Acenaphthylene
Concen: 11.59 ng/ul
RT: 14.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: BM006086.D
Acq: 28 Jun 2016 00:57

Tgt Ion:152 Resp: 936874

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.6
153	13.6	10.3	15.5

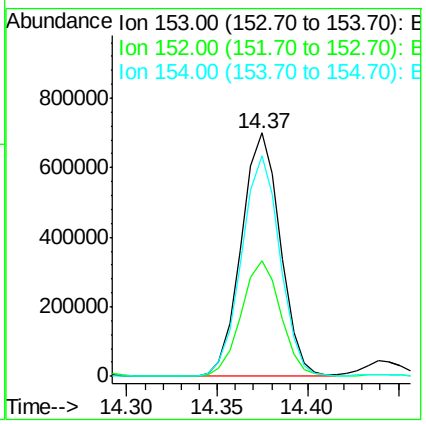




#19
Acenaphthene
Concen: 20.41 ng/ul
RT: 14.37 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BM006086.D
Acq: 28 Jun 2016 00:57

Tgt Ion:153 Resp: 1048102

Ion	Ratio	Lower	Upper
153	100		
152	47.6	38.1	57.1
154	90.5	71.6	107.4



Instrument :
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ClientSampleId :
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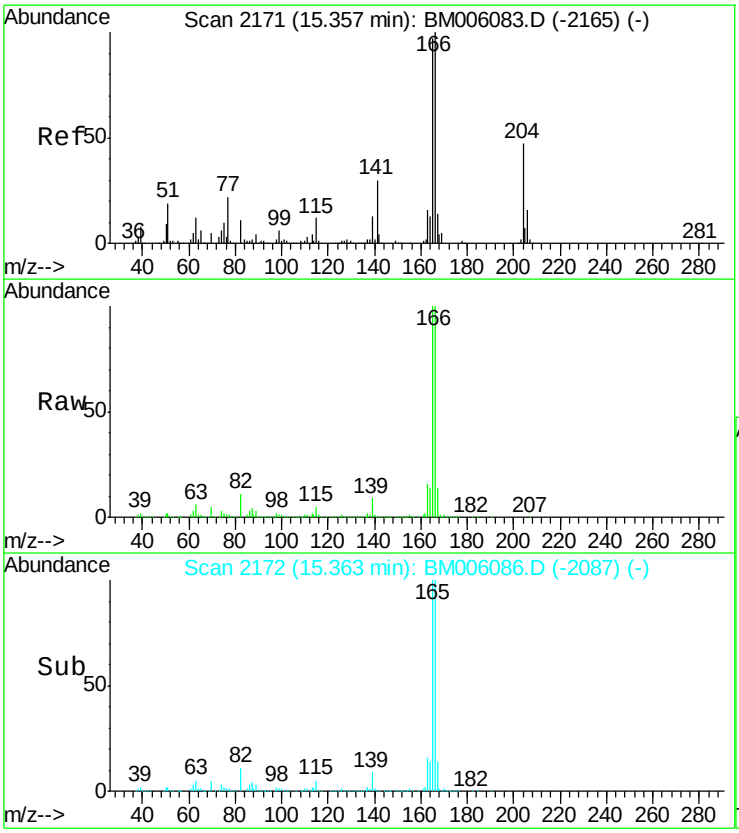
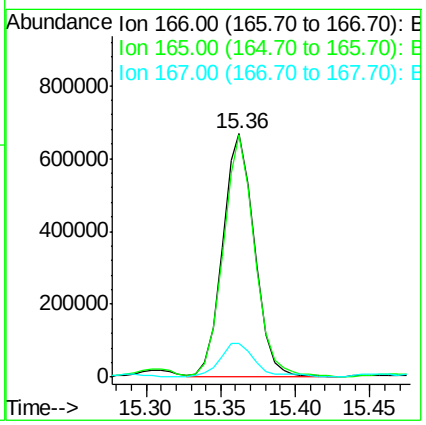
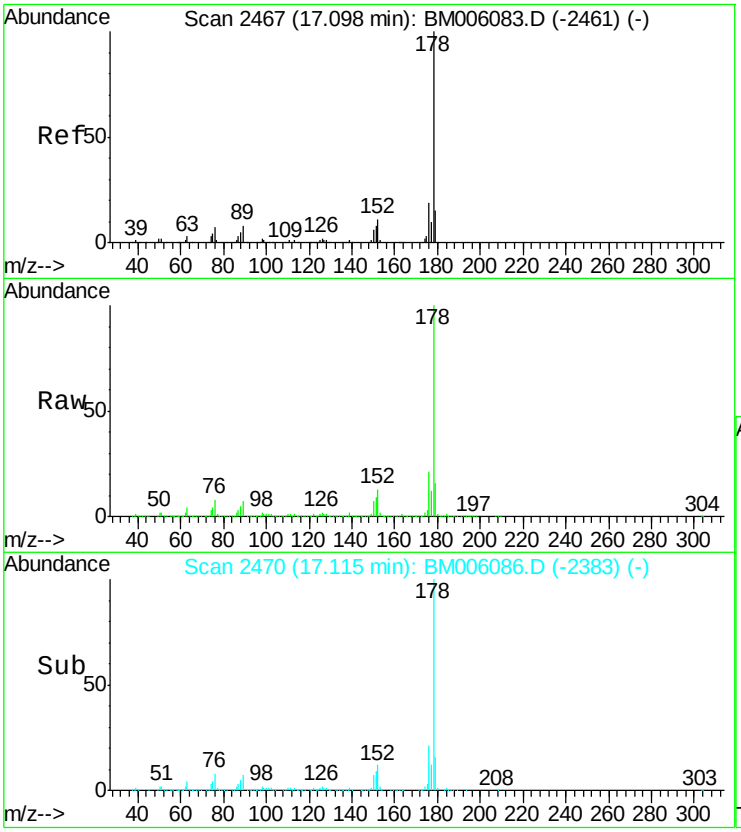


#22
Fluorene
Concen: 16.06 ng/ul
RT: 15.36 min Scan# 2172
Delta R.T. 0.00 min
Lab File: BM006086.D
Acq: 28 Jun 2016 00:57

Tgt Ion:166 Resp: 993761

Ion	Ratio	Lower	Upper
166	100		
165	99.6	78.4	117.6
167	14.0	10.6	16.0

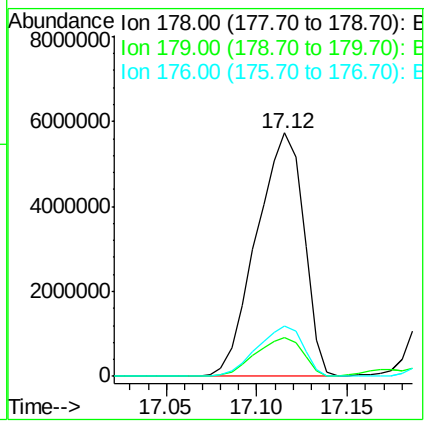




#25
Phenanthrene
Concen: 99.86 ng/ul
RT: 17.12 min Scan# 2470
Delta R.T. 0.01 min
Lab File: BM006086.D
Acq: 28 Jun 2016 00:57

Tgt Ion:178 Resp:10442553

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.2	18.2
176	20.7	15.3	22.9



Instrument :
BNA_M
ClientSampleId :
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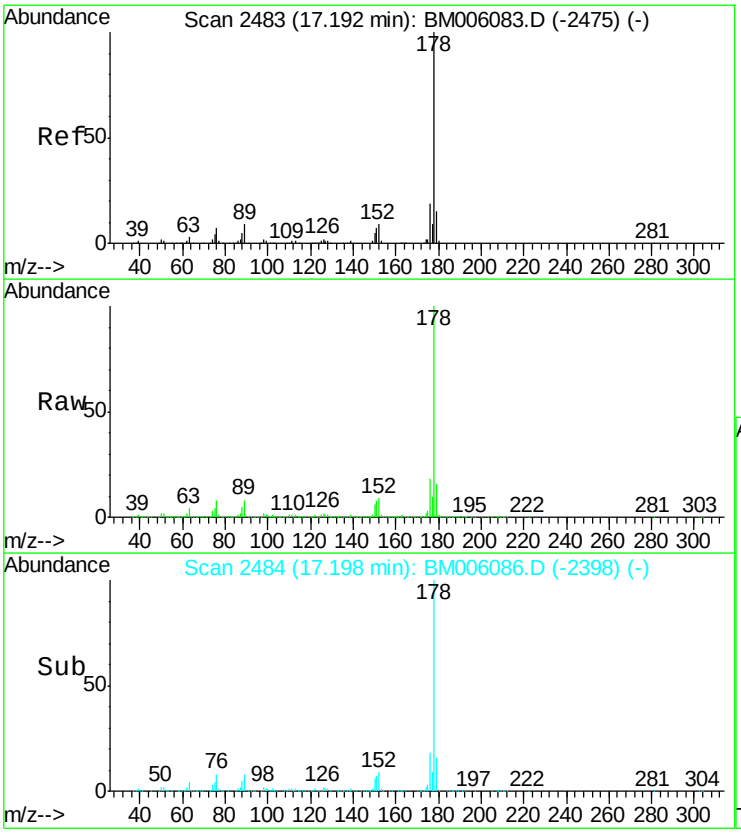
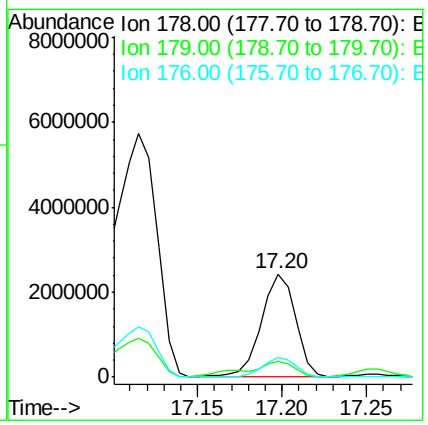
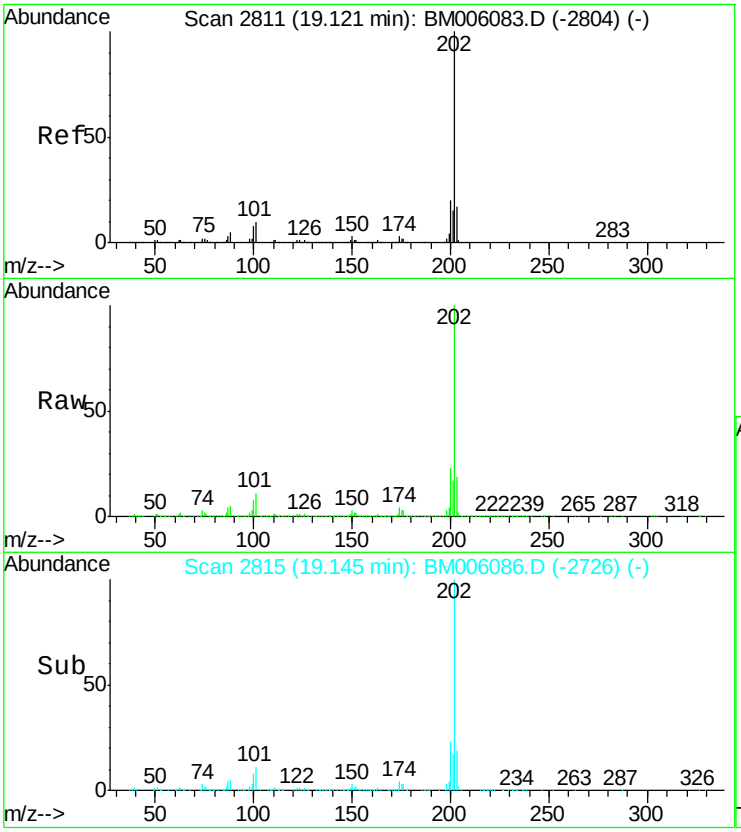


#27
Anthracene
Concen: 31.81 ng/ul
RT: 17.20 min Scan# 2484
Delta R.T. 0.01 min
Lab File: BM006086.D
Acq: 28 Jun 2016 00:57

Tgt Ion:178 Resp: 3433956

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	18.4	14.6	22.0

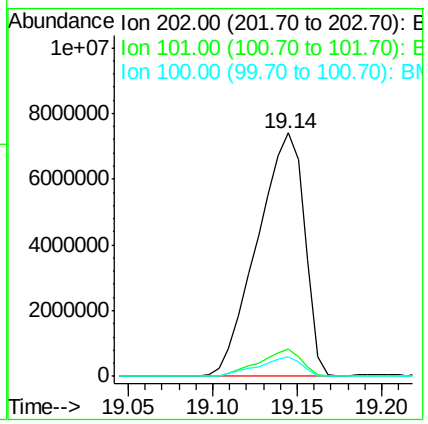




#28
Fluoranthene
Concen: 107.45 ng/ul
RT: 19.14 min Scan# 2815
Delta R.T. 0.02 min
Lab File: BM006086.D
Acq: 28 Jun 2016 00:57

Tgt Ion:202 Resp:14392050

Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.5	12.7
100	8.1	6.5	9.7



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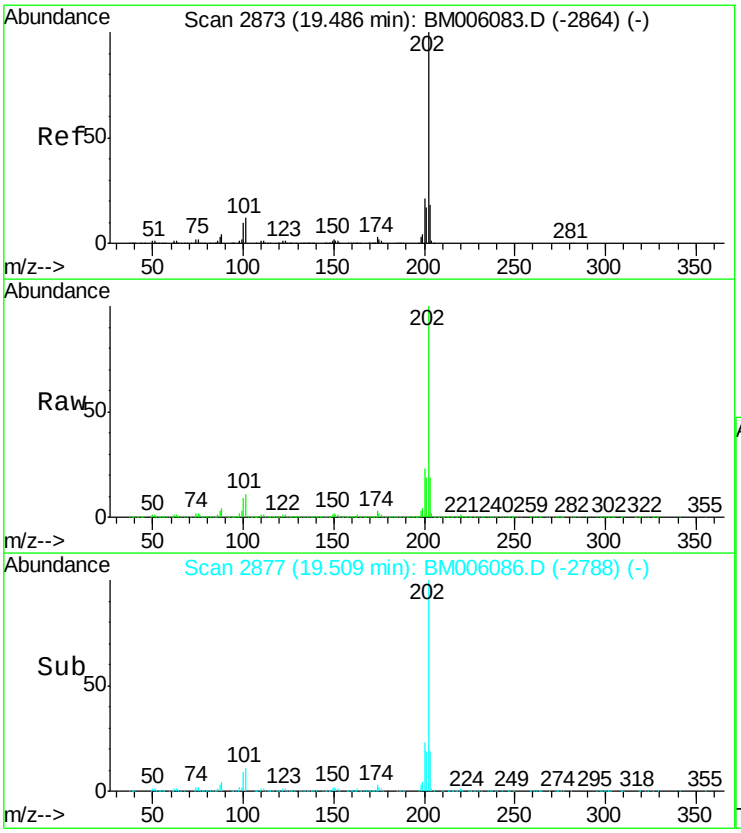
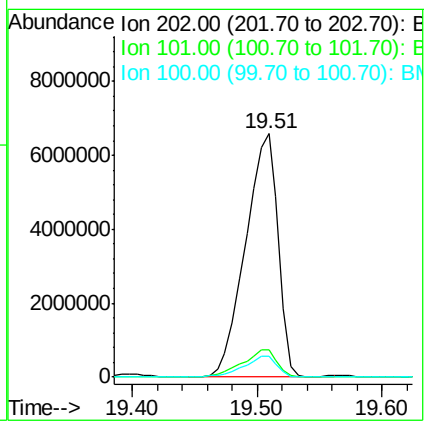
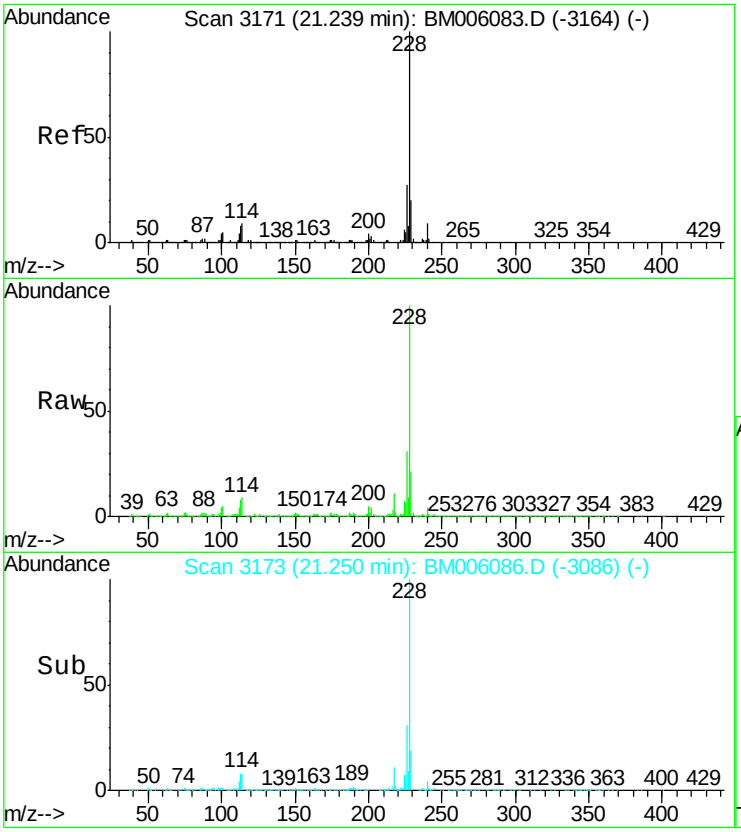


#31
Pyrene
Concen: 144.05 ng/ul m
RT: 19.51 min Scan# 2877
Delta R.T. 0.02 min
Lab File: BM006086.D
Acq: 28 Jun 2016 00:57

Tgt Ion:202 Resp:12031857

Ion	Ratio	Lower	Upper
202	100		
101	11.4	11.0	16.4
100	8.7	8.9	13.3#

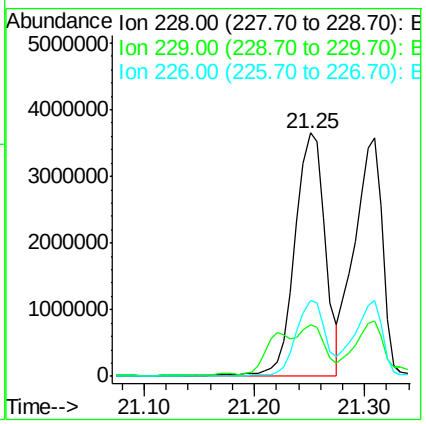




#32
Benzo(a)anthracene
Concen: 78.28 ng/ul
RT: 21.25 min Scan# 3173
Delta R.T. 0.01 min
Lab File: BM006086.D
Acq: 28 Jun 2016 00:57

Tgt Ion:228 Resp: 6784676

Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.6	23.4
226	31.1	21.6	32.4



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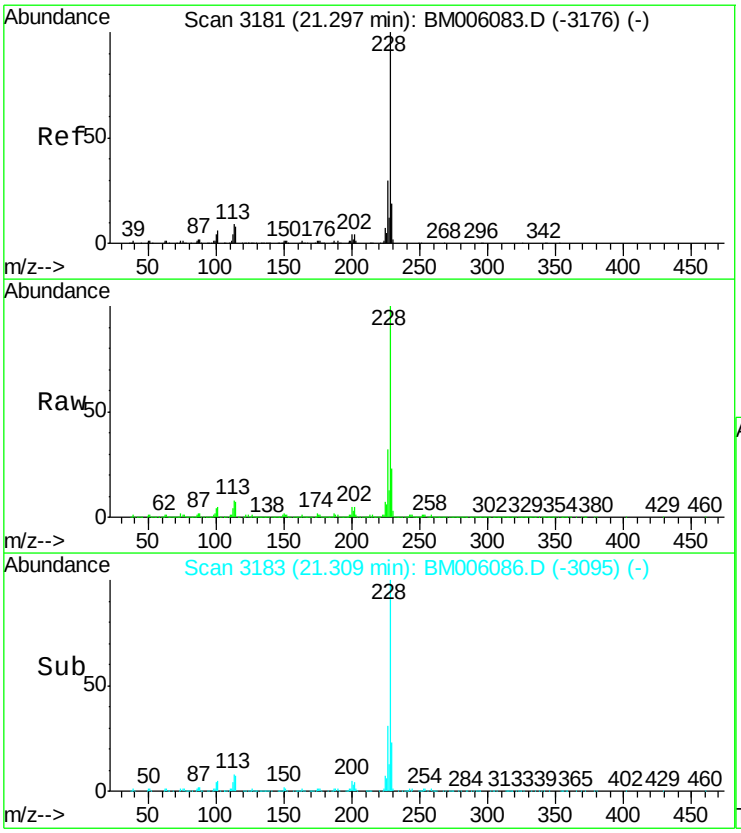
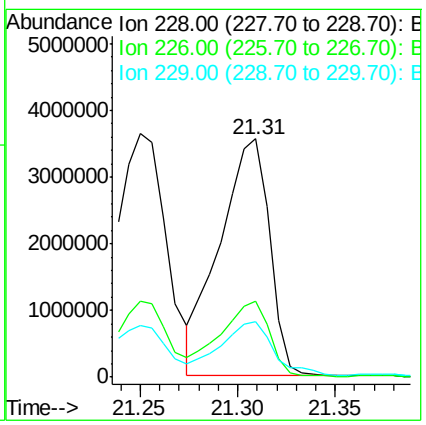
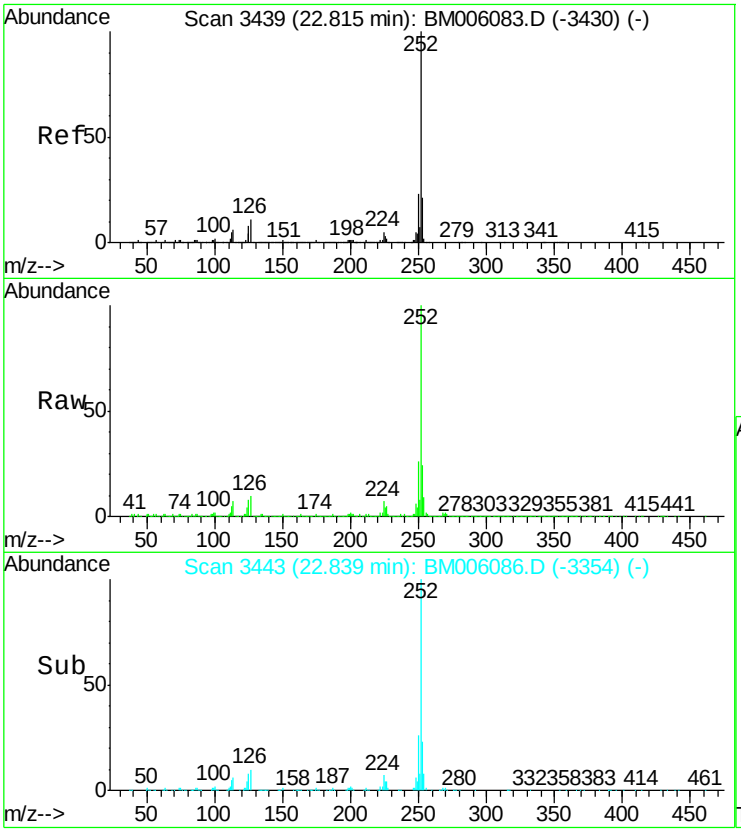


#33
Chrysene
Concen: 79.99 ng/ul
RT: 21.31 min Scan# 3183
Delta R.T. 0.02 min
Lab File: BM006086.D
Acq: 28 Jun 2016 00:57

Tgt Ion:228 Resp: 6333354

Ion	Ratio	Lower	Upper
228	100		
226	31.8	23.8	35.6
229	23.3	15.8	23.6

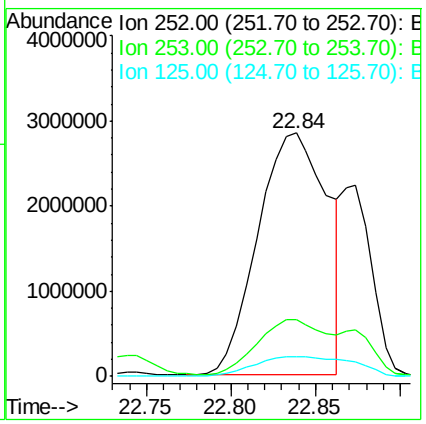




#35
Benzo(b)fluoranthene
Concen: 80.42 ng/ul
RT: 22.84 min Scan# 3443
Delta R.T. 0.02 min
Lab File: BM006086.D
Acq: 28 Jun 2016 00:57

Tgt Ion:252 Resp: 8146898

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.2	25.8
125	8.3	7.8	11.6



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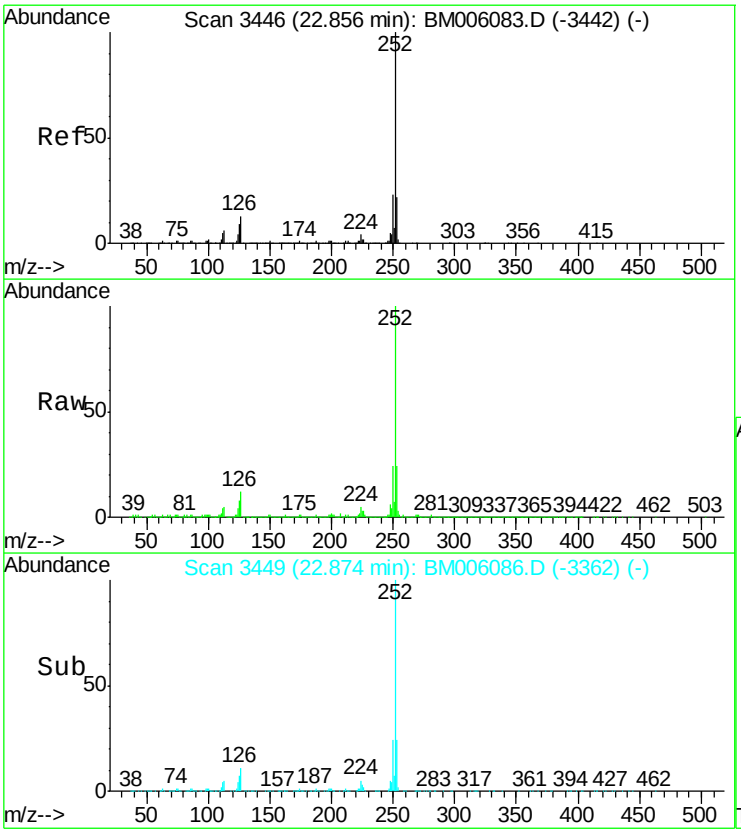
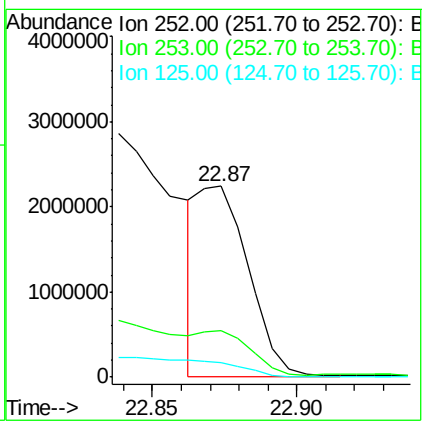
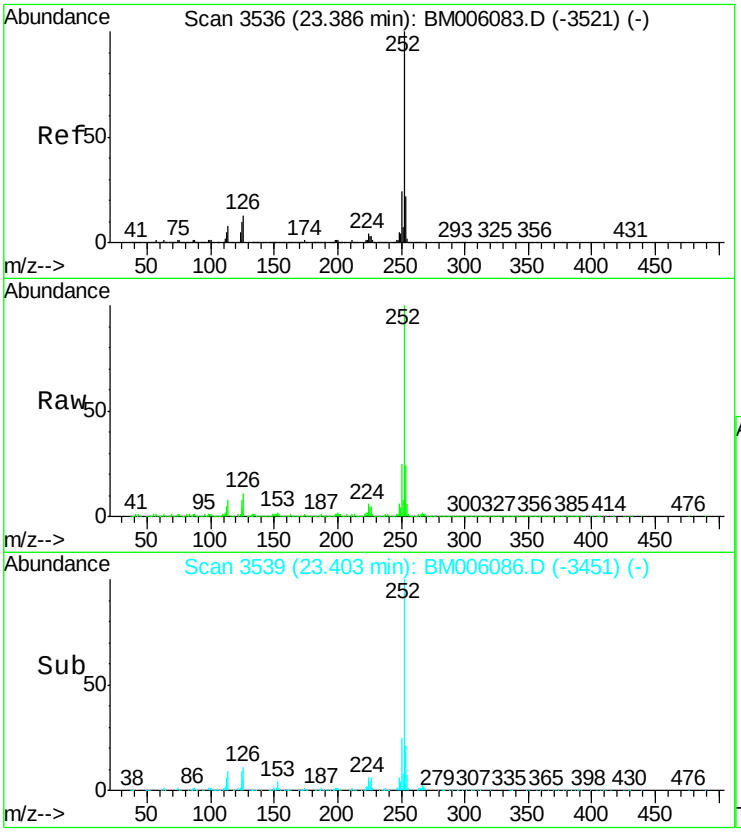


#36
Benzo(k)fluoranthene
Concen: 28.82 ng/ul m
RT: 22.87 min Scan# 3449
Delta R.T. 0.01 min
Lab File: BM006086.D
Acq: 28 Jun 2016 00:57

Tgt Ion:252 Resp: 2715539

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.6	26.4
125	7.8	8.1	12.1#

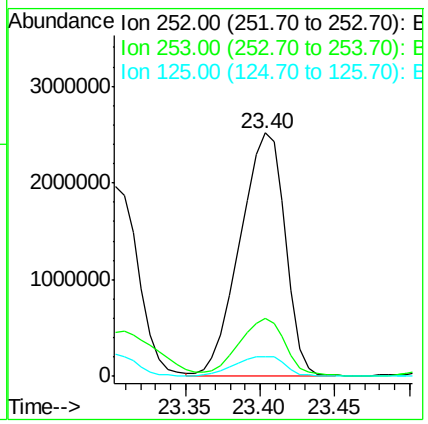




#38
Benzo(a)pyrene
Concen: 54.40 ng/ul m
RT: 23.40 min Scan# 3539
Delta R.T. 0.02 min
Lab File: BM006086.D
Acq: 28 Jun 2016 00:57

Tgt Ion:252 Resp: 5283502

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	8.3	8.7	13.1#



Instrument :
BNA_M
ClientSampleId :
D9YD4MSD

Manual Integrations APPROVED
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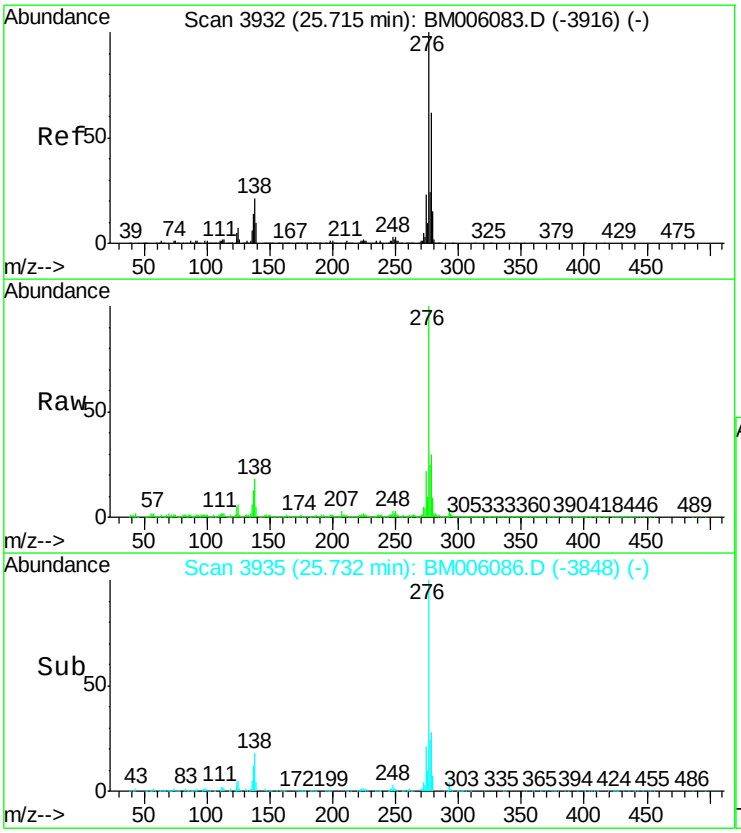
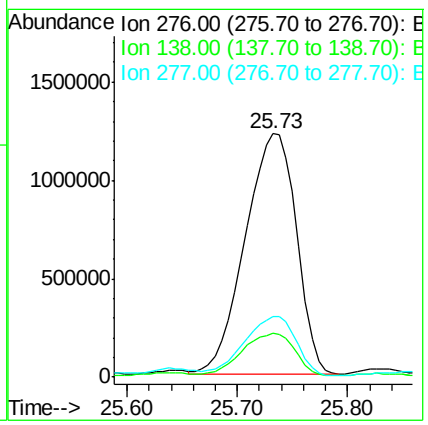
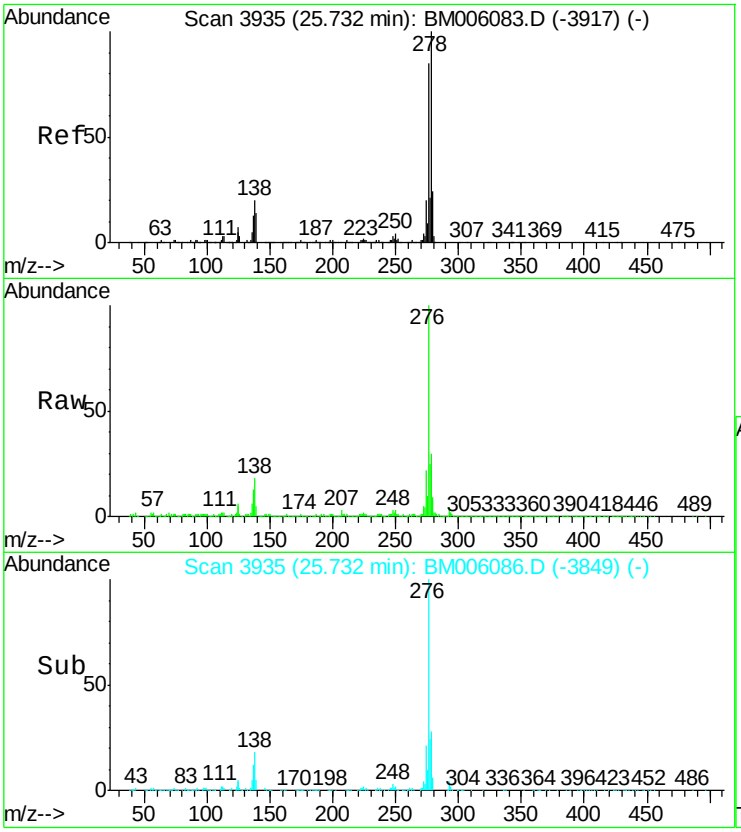


#39
Indeno(1,2,3-cd)pyrene
Concen: 34.32 ng/ul
RT: 25.73 min Scan# 3935
Delta R.T. 0.01 min
Lab File: BM006086.D
Acq: 28 Jun 2016 00:57

Tgt Ion:276 Resp: 3973216

Ion	Ratio	Lower	Upper
276	100		
138	18.2	20.4	30.6#
277	24.9	20.6	30.8

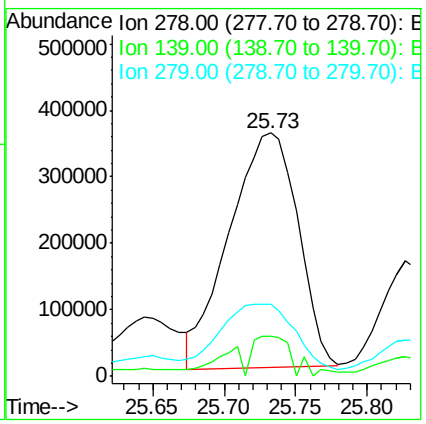




#40
Dibenzo(a,h)anthracene
Concen: 12.28 ng/ul m
RT: 25.73 min Scan# 3935
Delta R.T. 0.01 min
Lab File: BM006086.D
Acq: 28 Jun 2016 00:57

Tgt Ion:278 Resp: 1182082

Ion	Ratio	Lower	Upper
278	100		
139	16.3	13.0	19.4
279	29.4	18.8	28.2#



Instrument :
BNA_M
ClientSampleId :
D9YD4MSD

Manual Integrations APPROVED
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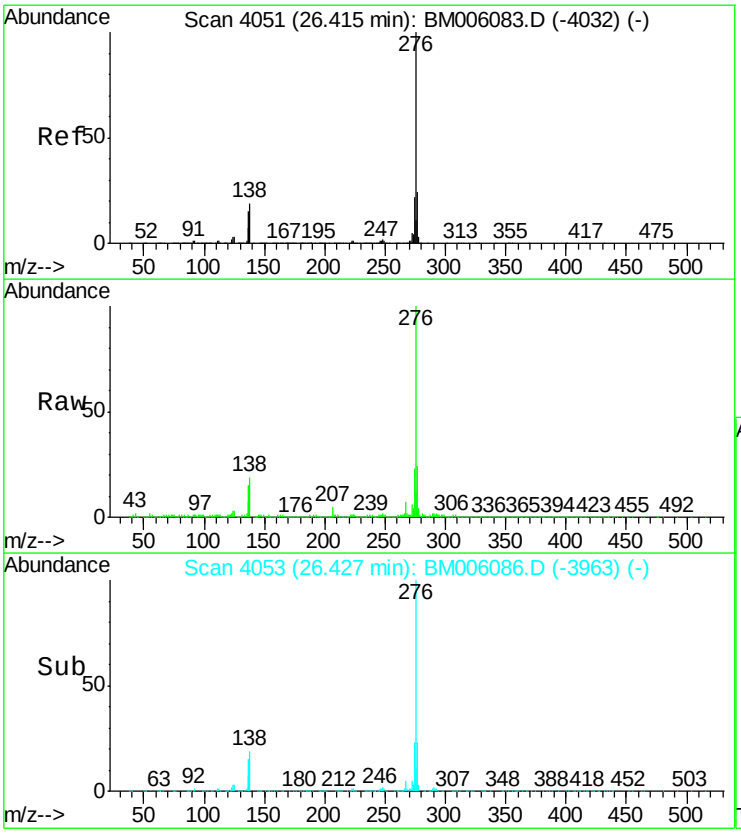

#41
Benzo(g,h,i)perylene
Concen: 33.56 ng/ul
RT: 26.43 min Scan# 4053
Delta R.T. 0.03 min
Lab File: BM006086.D
Acq: 28 Jun 2016 00:57

Tgt Ion:276 Resp: 3360873

Ion	Ratio	Lower	Upper
276	100		
138	19.1	16.6	25.0
277	24.5	18.9	28.3