Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM063016\
Data File : BM006167.D
Acq On : 30 Jun 2016 21:00
Operator : UM/SJ
Sample : H3780-05MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9YF4MSD

Manual Integrations APPROVED
sohil
7/1/2016 7:15:34 PM

Quant Time: Jul 01 01:20:38 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM062816.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 29 00:57:09 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	219204	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	850674	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	434998	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	929999	20.00	ng/ul	0.00
29) Chrysene-d12	21.26	240	923703	20.00	ng/ul	0.00
34) Perylene-d12	23.48	264	1083187	20.00	ng/ul	0.02
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	9632	2.04	ng/uL	0.00
3) Phenol-d5	6.83	99	417452	23.31	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	257760	24.41	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	319896	23.27	ng/ul	0.00
6) 4-Methylphenol-d8	8.37	113	321915	22.34	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	156408	27.30	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	174099	26.55	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	306192	25.59	ng/ul	0.00
12) 4-Chloroaniline-d4	10.58	131	243120	25.71	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	853030	27.36	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	1087356	28.74	ng/ul	0.00
20) 4-Nitrophenol-d4	14.53	143	162020	27.39	ng/ul	0.02
21) Fluorene-d10	15.30	176	741190	27.86	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.44	200	113237	34.38	ng/ul	0.01
26) Anthracene-d10	17.16	188	1114306	29.87	ng/ul	0.00
30) Pyrene-d10	19.46	212	1182792	31.80	ng/ul	0.01
37) Benzo(a)pyrene-d12	23.34	264	1263454	29.31	ng/ul	0.02
Target Compounds						Qvalue
11) Naphthalene	10.49	128	63996	1.72	ng/ul	99
13) 2-Methylnaphthalene	12.11	142	33710	1.19	ng/ul	98
14) 1-Methylnaphthalene	12.33	142	30683	1.14	ng/ul	95
18) Acenaphthylene	14.03	152	111981	2.83	ng/ul	99
19) Acenaphthene	14.37	153	760287	30.07	ng/ul	98
22) Fluorene	15.36	166	208410	7.24	ng/ul	98
25) Phenanthrene	17.10	178	3213139	73.01	ng/ul	100
27) Anthracene	17.19	178	800307	17.69	ng/ul	99
28) Fluoranthene	19.13	202	4965569	92.13	ng/ul	97
31) Pyrene	19.49	202	4889890	100.36	ng/ul	94
32) Benzo(a)anthracene	21.24	228	2331899	48.55	ng/ul	97
33) Chrysene	21.30	228	2323683	52.55	ng/ul	97
35) Benzo(b)fluoranthene	22.82	252	3369806	59.95	ng/ul	97
36) Benzo(k)fluoranthene	22.86	252	957464m	18.16	ng/ul	
38) Benzo(a)pyrene	23.39	252	2167588	40.81	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.72	276	1739680	31.51	ng/ul#	93
40) Dibenzo(a,h)anthracene	25.72	278	485455m	10.63	ng/ul	
41) Benzo(g,h,i)perylene	26.41	276	1626993	35.21	ng/ul	97

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

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Instrument :
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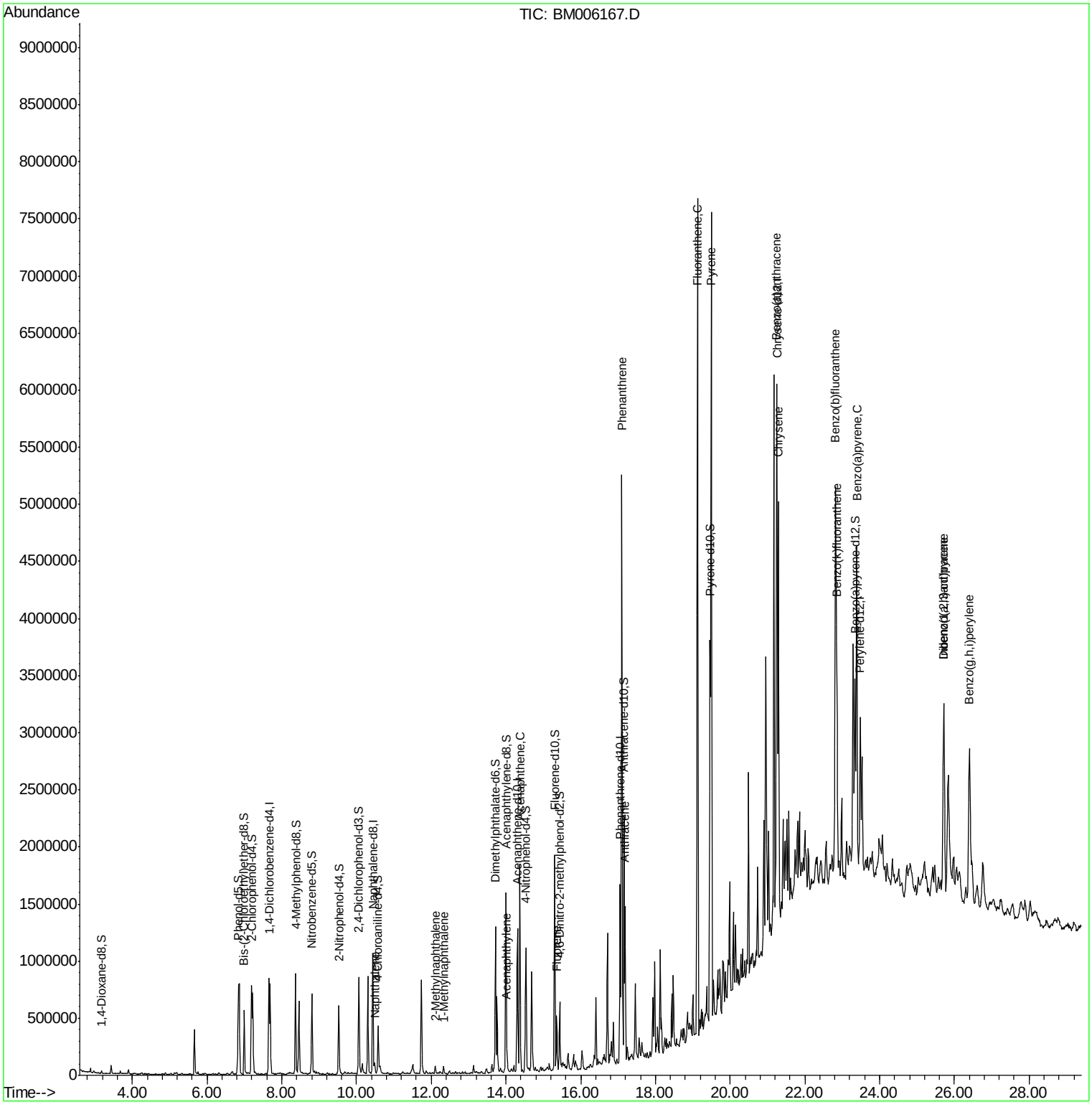
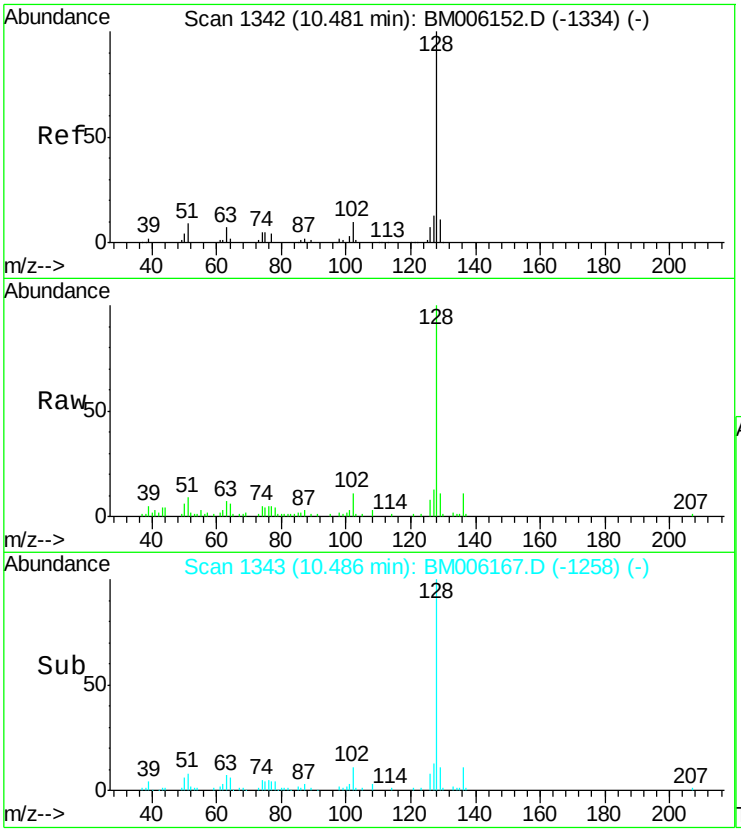
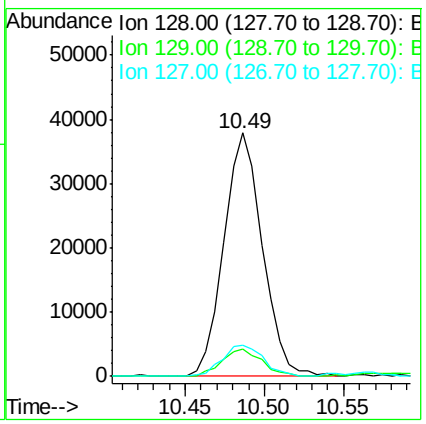




#11
Naphthalene
Concen: 1.72 ng/ul
RT: 10.49 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BM006167.D
Acq: 30 Jun 2016 21:00

Tgt Ion:128 Resp: 63996

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	12.7	10.5	15.7



Instrument :
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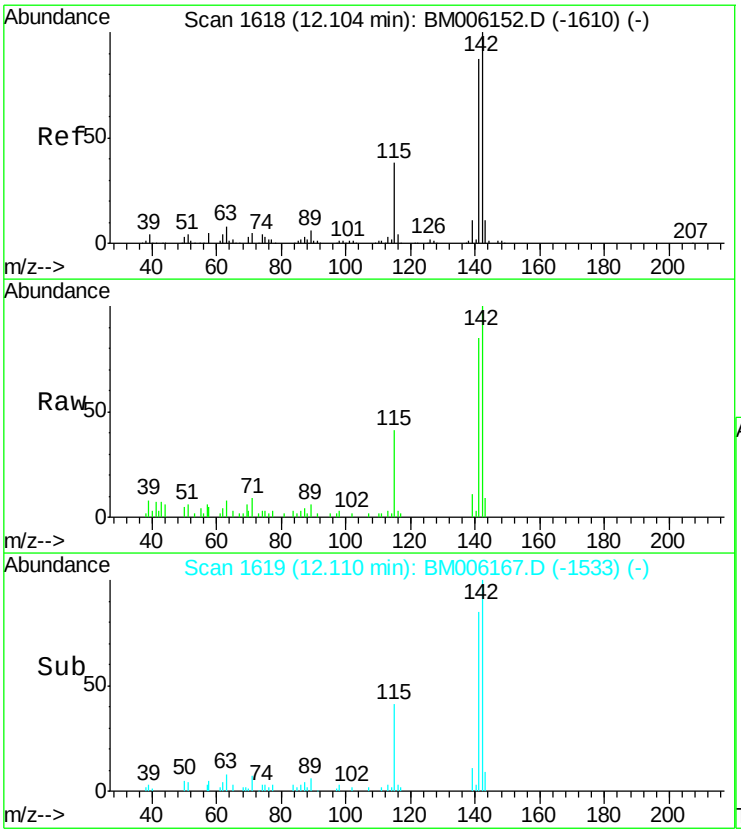
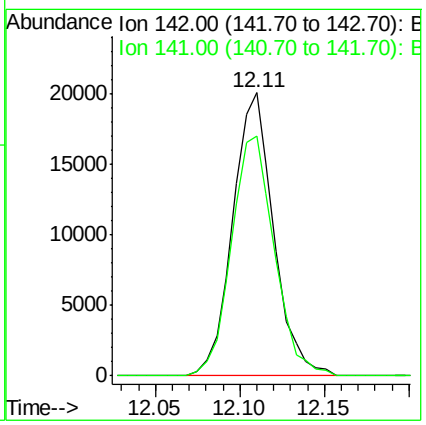
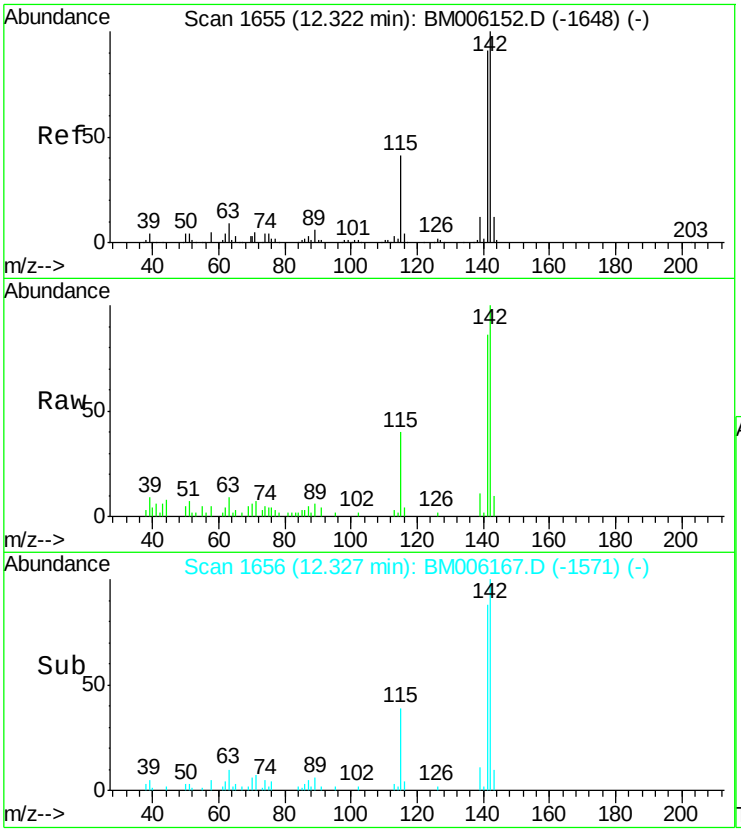


#13
2-Methylnaphthalene
Concen: 1.19 ng/ul
RT: 12.11 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BM006167.D
Acq: 30 Jun 2016 21:00

Tgt Ion:142 Resp: 33710

Ion	Ratio	Lower	Upper
142	100		
141	84.9	69.0	103.6

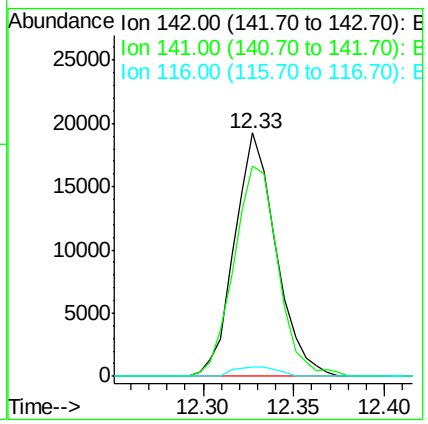




#14
1-Methylnaphthalene
Concen: 1.14 ng/ul
RT: 12.33 min Scan# 1656
Delta R.T. -0.00 min
Lab File: BM006167.D
Acq: 30 Jun 2016 21:00

Tgt Ion:142 Resp: 30683

Ion	Ratio	Lower	Upper
142	100		
141	86.2	73.0	109.4
116	4.0	3.0	4.6



Instrument :
BNA_M
ClientSampleId :
D9YF4MSD

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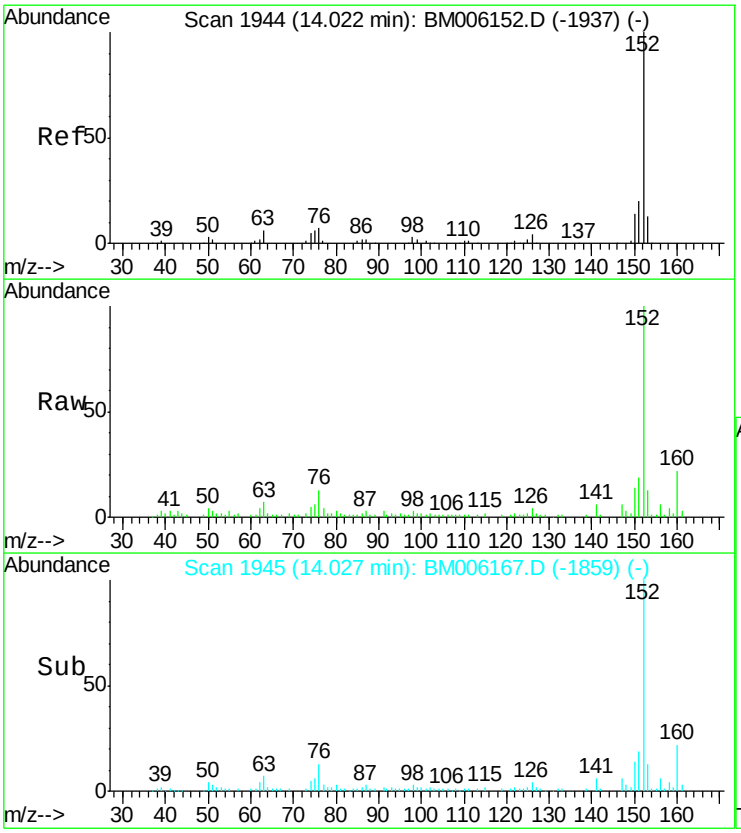
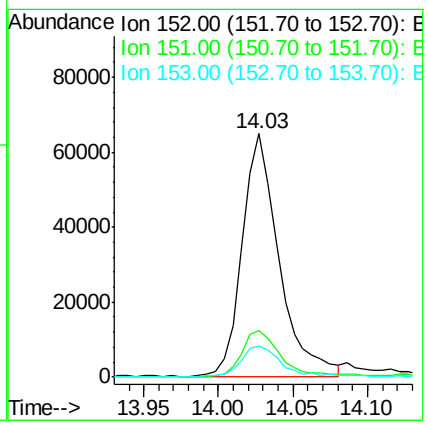
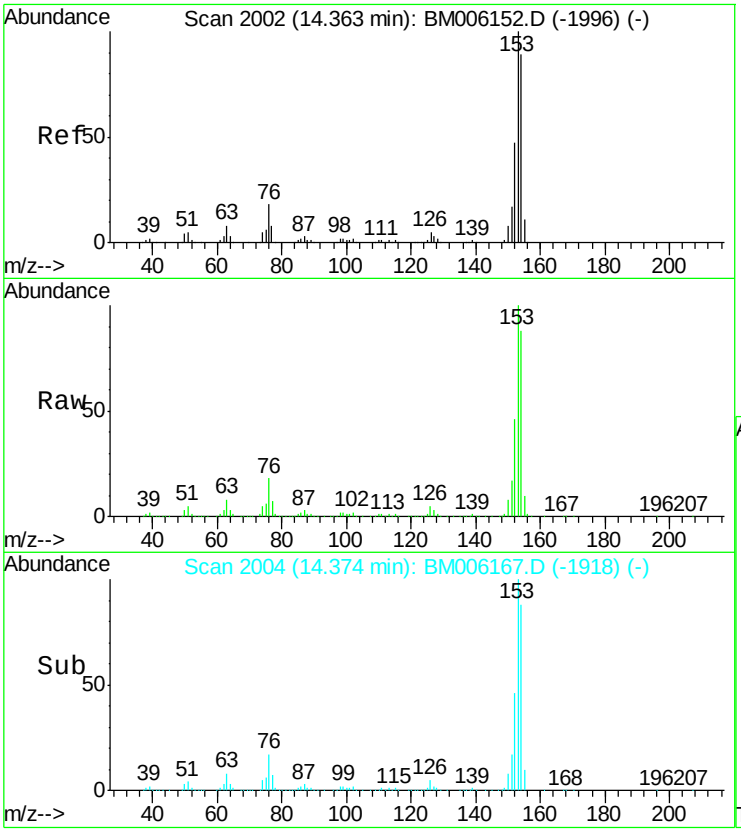


#18
Acenaphthylene
Concen: 2.83 ng/ul
RT: 14.03 min Scan# 1945
Delta R.T. 0.01 min
Lab File: BM006167.D
Acq: 30 Jun 2016 21:00

Tgt Ion:152 Resp: 111981

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.8	23.6
153	12.5	10.3	15.5

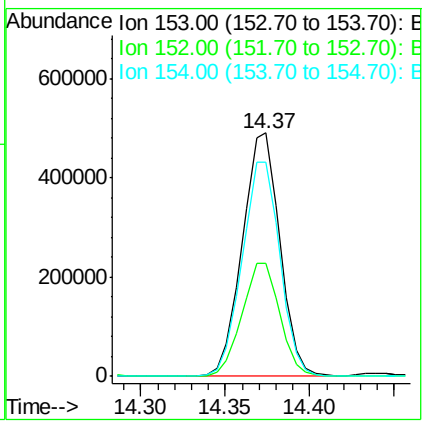




#19
Acenaphthene
Concen: 30.07 ng/ul
RT: 14.37 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BM006167.D
Acq: 30 Jun 2016 21:00

Tgt Ion:153 Resp: 760287

Ion	Ratio	Lower	Upper
153	100		
152	46.3	38.1	57.1
154	88.2	71.6	107.4



Instrument :
BNA_M
ClientSampleId :
D9YF4MSD

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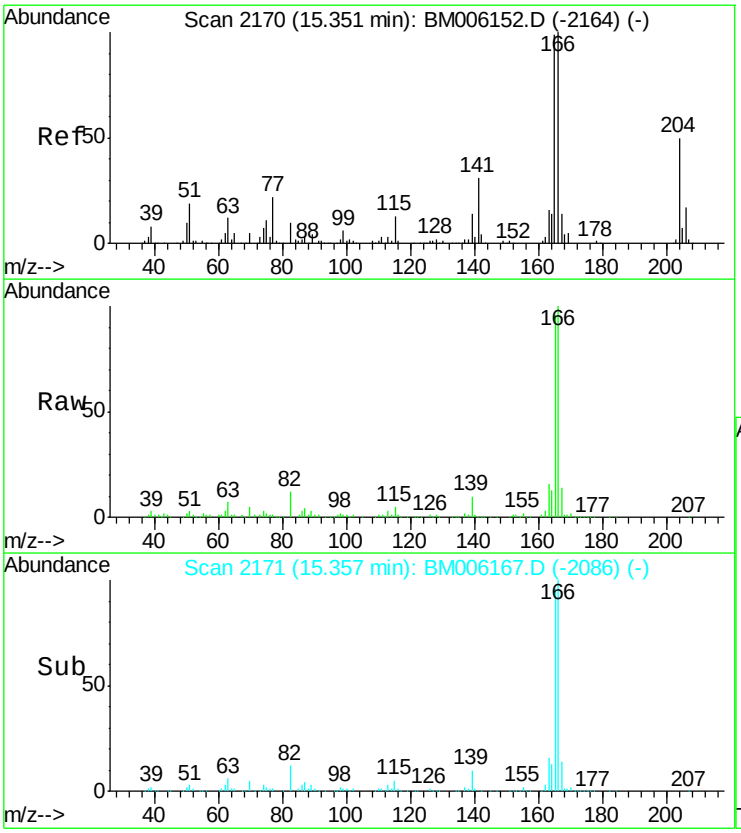
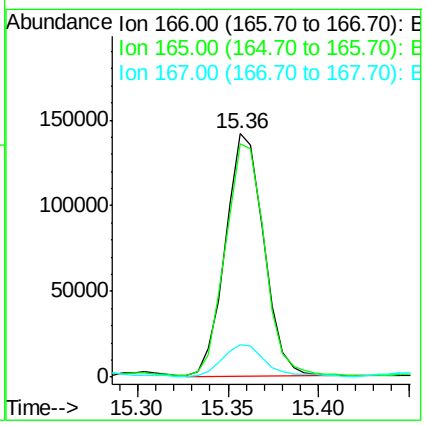
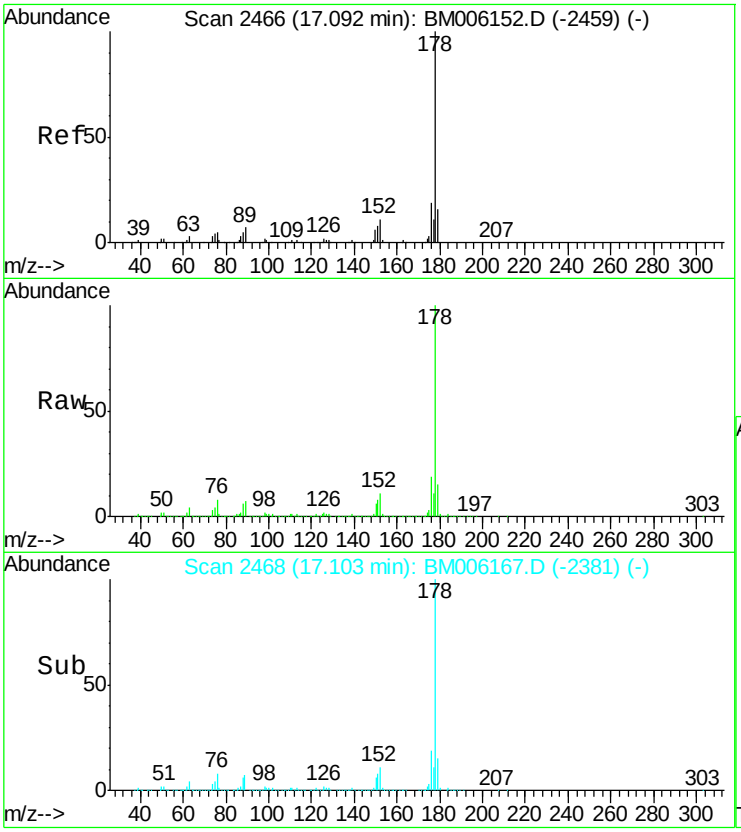


#22
Fluorene
Concen: 7.24 ng/ul
RT: 15.36 min Scan# 2171
Delta R.T. -0.00 min
Lab File: BM006167.D
Acq: 30 Jun 2016 21:00

Tgt Ion:166 Resp: 208410

Ion	Ratio	Lower	Upper
166	100		
165	95.8	78.4	117.6
167	13.5	10.6	16.0

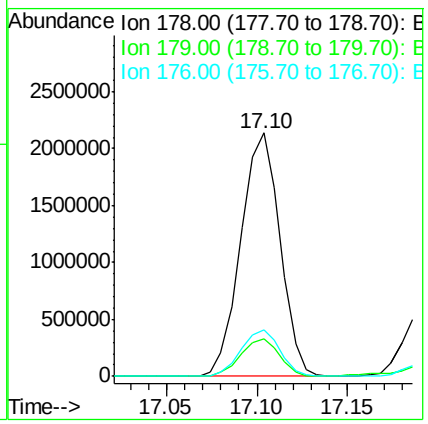




#25
Phenanthrene
Concen: 73.01 ng/ul
RT: 17.10 min Scan# 2468
Delta R.T. 0.01 min
Lab File: BM006167.D
Acq: 30 Jun 2016 21:00

Tgt Ion:178 Resp: 3213139

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2
176	19.2	15.3	22.9



Instrument :
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ClientSampleId :
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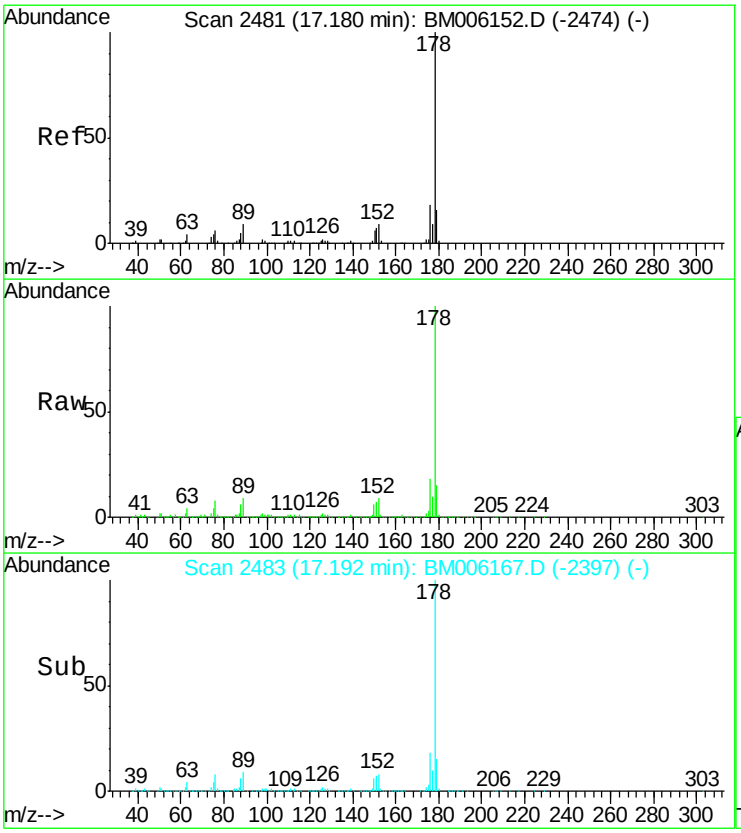
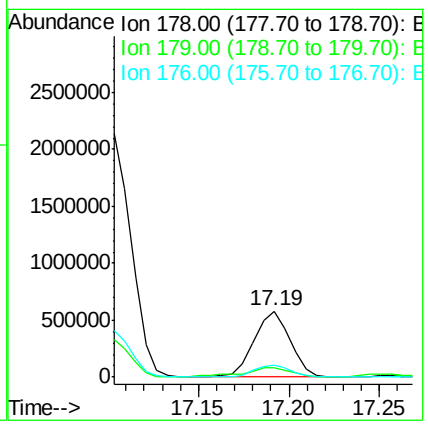
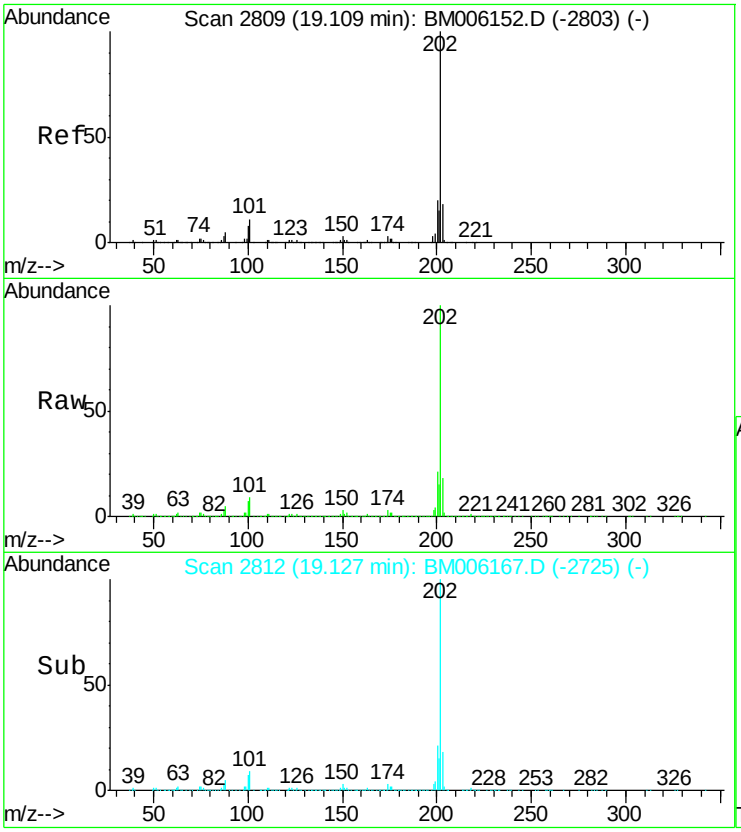


#27
Anthracene
Concen: 17.69 ng/ul
RT: 17.19 min Scan# 2483
Delta R.T. 0.01 min
Lab File: BM006167.D
Acq: 30 Jun 2016 21:00

Tgt Ion:178 Resp: 800307

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.3	18.5
176	17.8	14.6	22.0

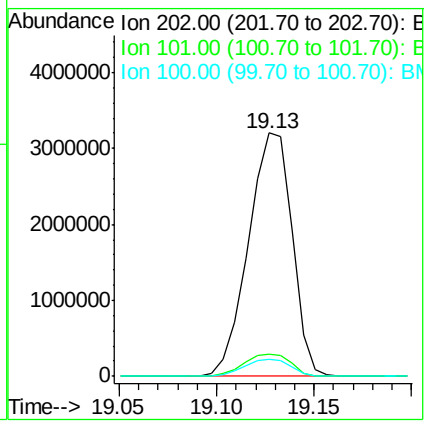




#28
Fluoranthene
Concen: 92.13 ng/ul
RT: 19.13 min Scan# 2812
Delta R.T. 0.01 min
Lab File: BM006167.D
Acq: 30 Jun 2016 21:00

Tgt Ion:202 Resp: 4965569

Ion	Ratio	Lower	Upper
202	100		
101	9.4	8.5	12.7
100	7.0	6.5	9.7



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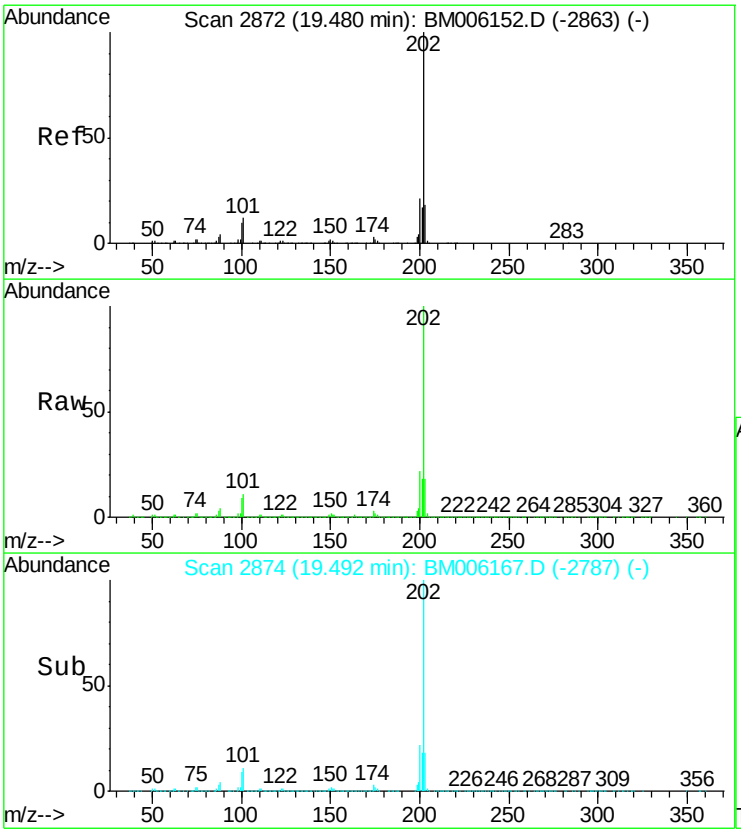
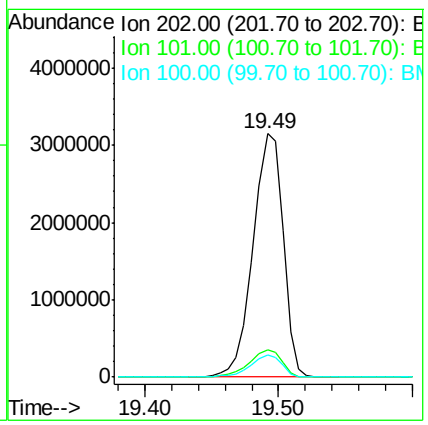
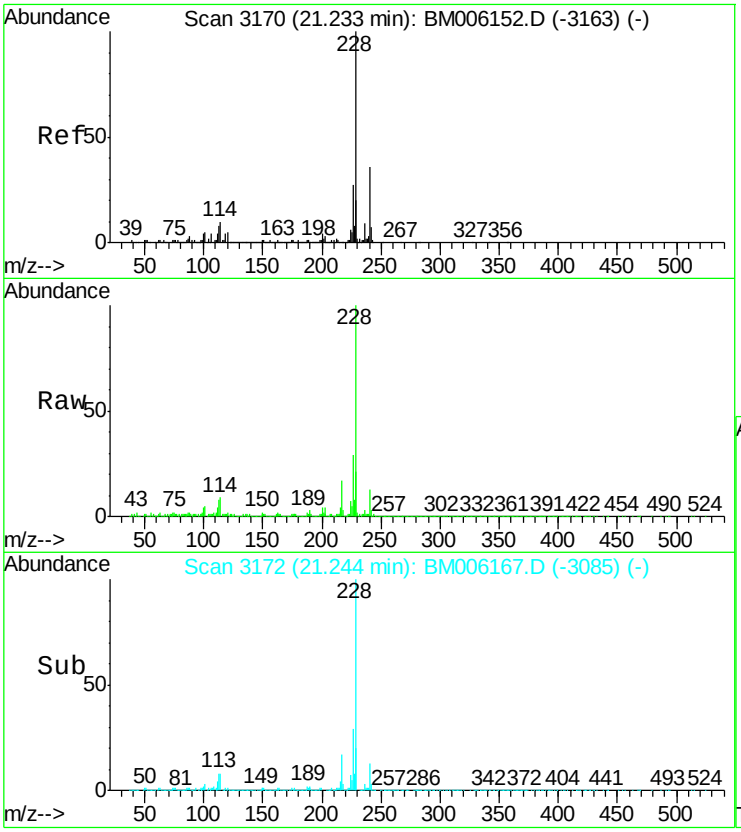


#31
Pyrene
Concen: 100.36 ng/ul
RT: 19.49 min Scan# 2874
Delta R.T. 0.01 min
Lab File: BM006167.D
Acq: 30 Jun 2016 21:00

Tgt Ion:202 Resp: 4889890

Ion	Ratio	Lower	Upper
202	100		
101	11.1	11.0	16.4
100	8.9	8.9	13.3

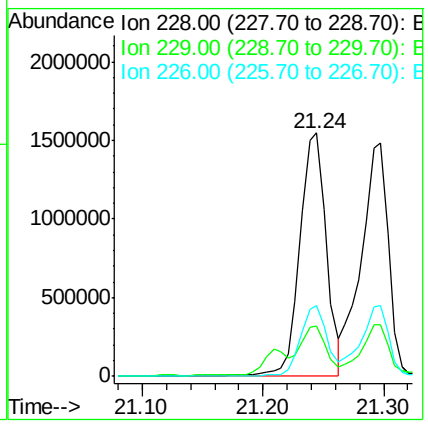




#32
Benzo(a)anthracene
Concen: 48.55 ng/ul
RT: 21.24 min Scan# 3172
Delta R.T. 0.01 min
Lab File: BM006167.D
Acq: 30 Jun 2016 21:00

Tgt Ion:228 Resp: 2331899

Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.6	23.4
226	29.1	21.6	32.4



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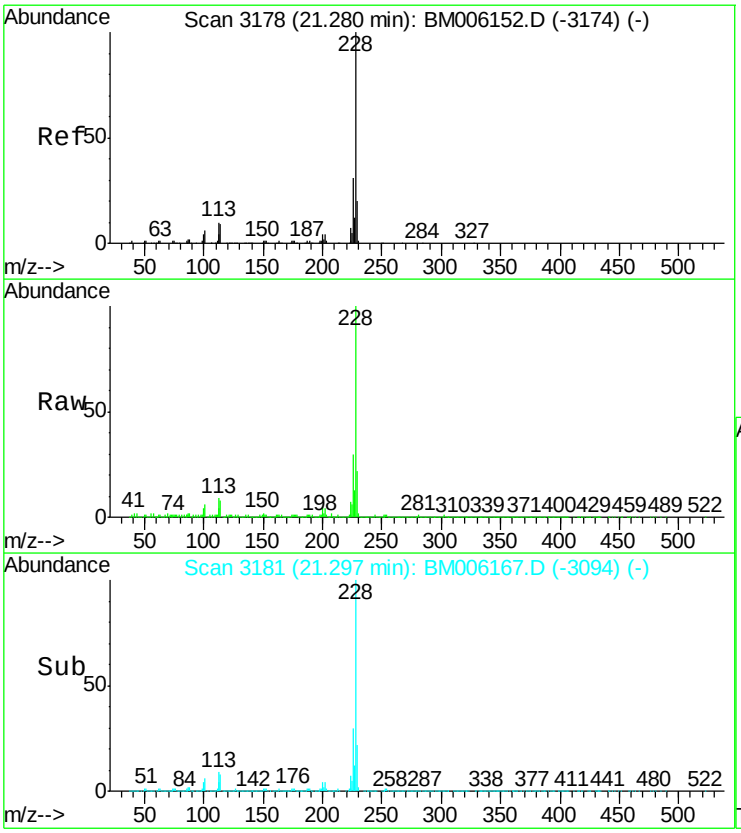
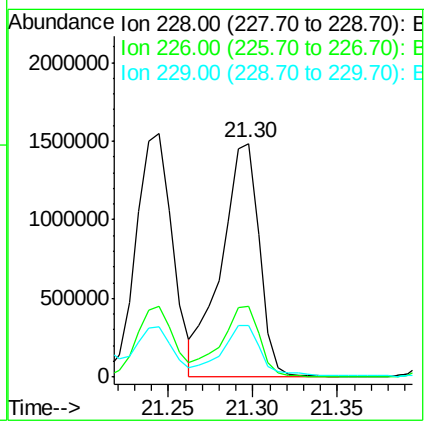
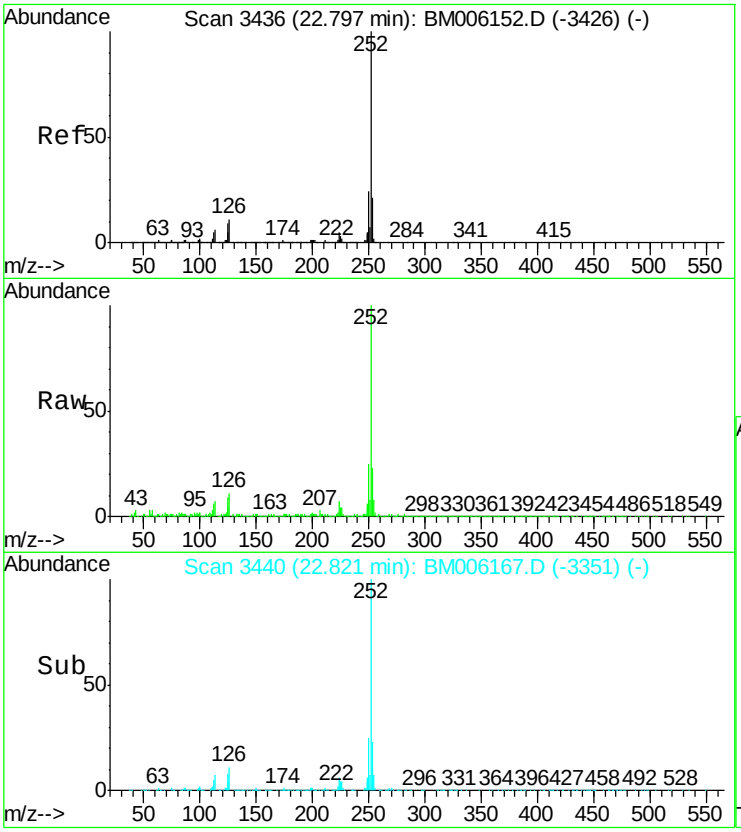


#33
Chrysene
Concen: 52.55 ng/ul
RT: 21.30 min Scan# 3181
Delta R.T. 0.01 min
Lab File: BM006167.D
Acq: 30 Jun 2016 21:00

Tgt Ion:228 Resp: 2323683

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.8	35.6
229	22.1	15.8	23.6

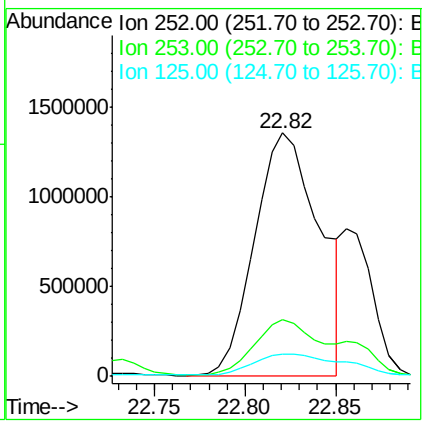




#35
Benzo(b)fluoranthene
Concen: 59.95 ng/ul
RT: 22.82 min Scan# 3440
Delta R.T. 0.02 min
Lab File: BM006167.D
Acq: 30 Jun 2016 21:00

Tgt Ion:252 Resp: 3369806

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	8.9	7.8	11.6



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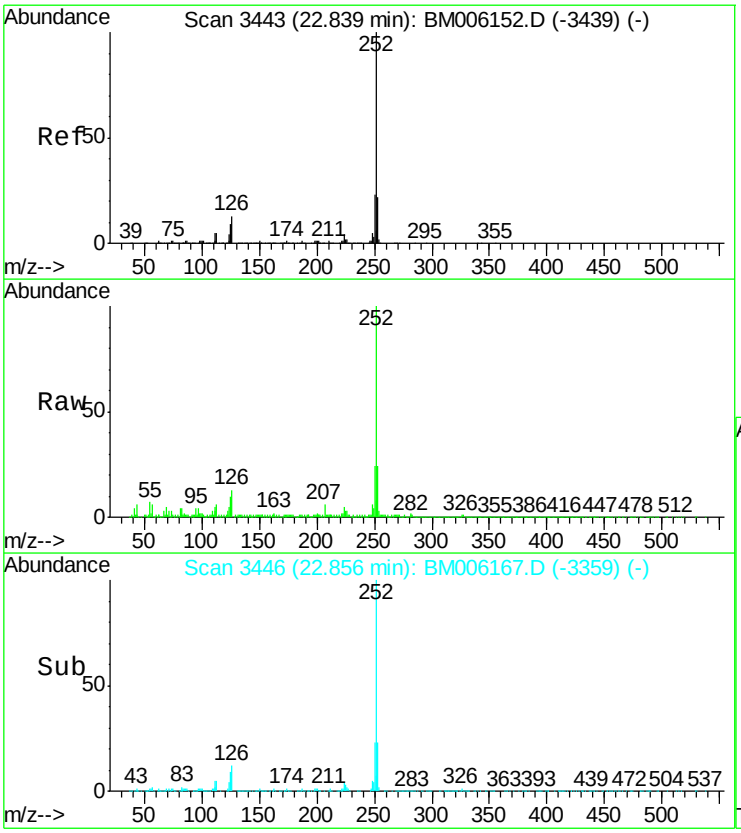
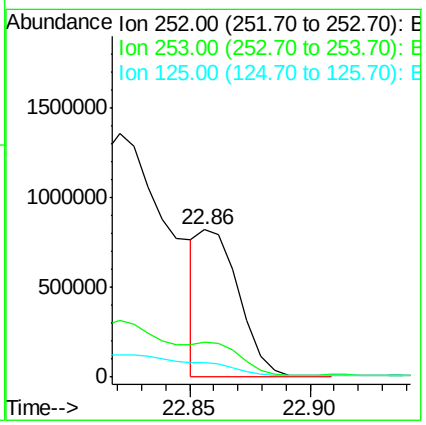
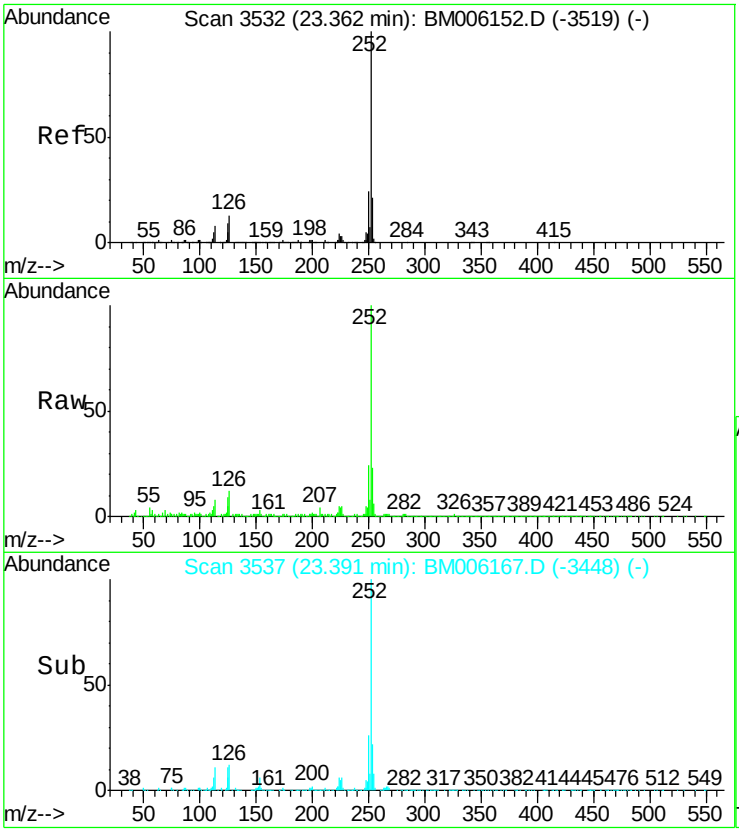


#36
Benzo(k)fluoranthene
Concen: 18.16 ng/ul m
RT: 22.86 min Scan# 3446
Delta R.T. 0.01 min
Lab File: BM006167.D
Acq: 30 Jun 2016 21:00

Tgt Ion:252 Resp: 957464

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.6	26.4
125	9.8	8.1	12.1

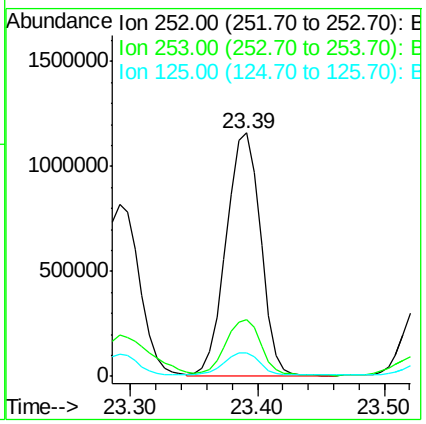




#38
Benzo(a)pyrene
Concen: 40.81 ng/ul
RT: 23.39 min Scan# 3537
Delta R.T. 0.02 min
Lab File: BM006167.D
Acq: 30 Jun 2016 21:00

Tgt Ion:252 Resp: 2167588

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	9.5	8.7	13.1



Instrument :
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ClientSampleId :
D9YF4MSD

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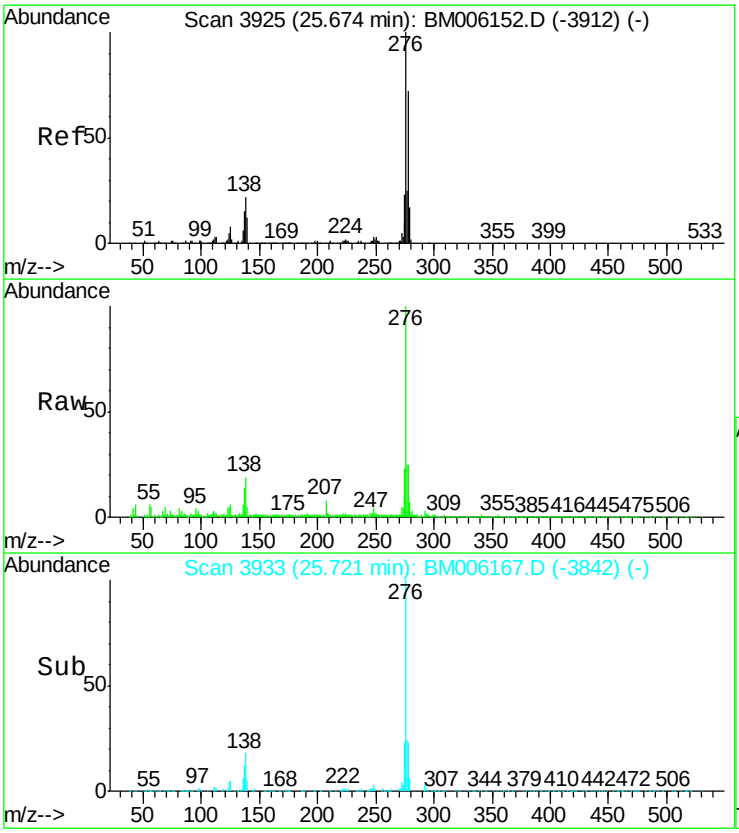
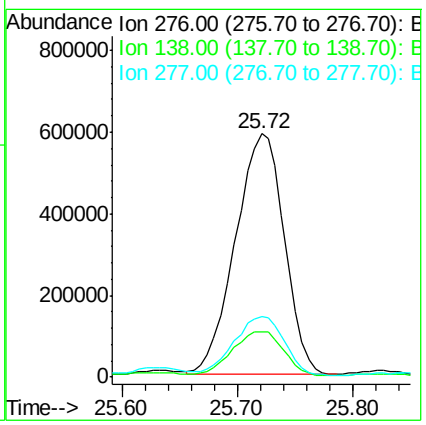
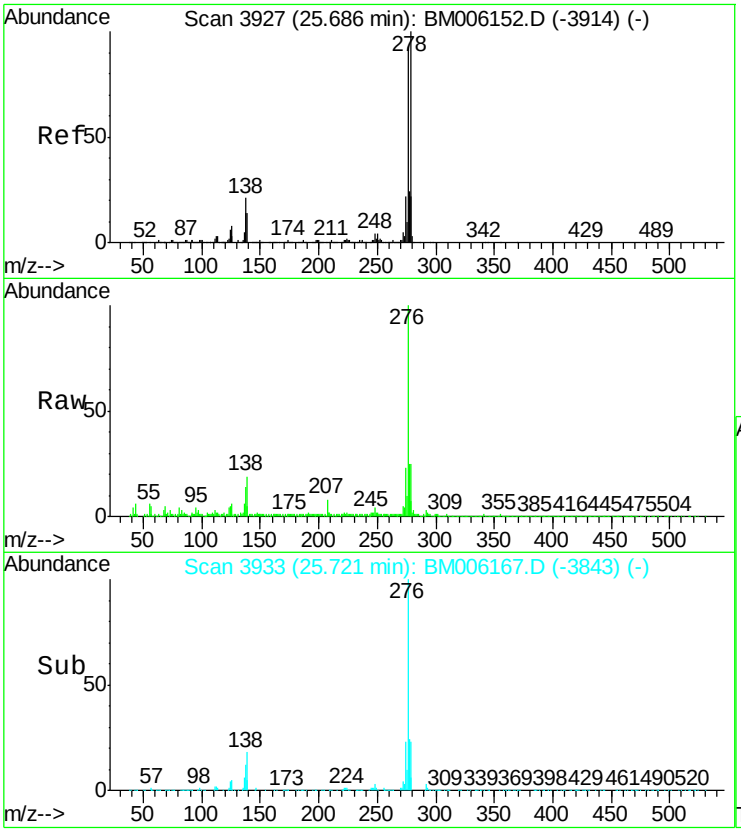


#39
Indeno(1,2,3-cd)pyrene
Concen: 31.51 ng/ul
RT: 25.72 min Scan# 3933
Delta R.T. 0.04 min
Lab File: BM006167.D
Acq: 30 Jun 2016 21:00

Tgt Ion:276 Resp: 1739680

Ion	Ratio	Lower	Upper
276	100		
138	18.8	20.4	30.6#
277	25.1	20.6	30.8

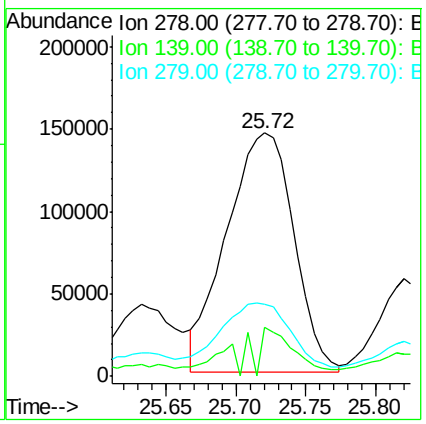




#40
Dibenzo(a,h)anthracene
Concen: 10.63 ng/ul m
RT: 25.72 min Scan# 3933
Delta R.T. 0.03 min
Lab File: BM006167.D
Acq: 30 Jun 2016 21:00

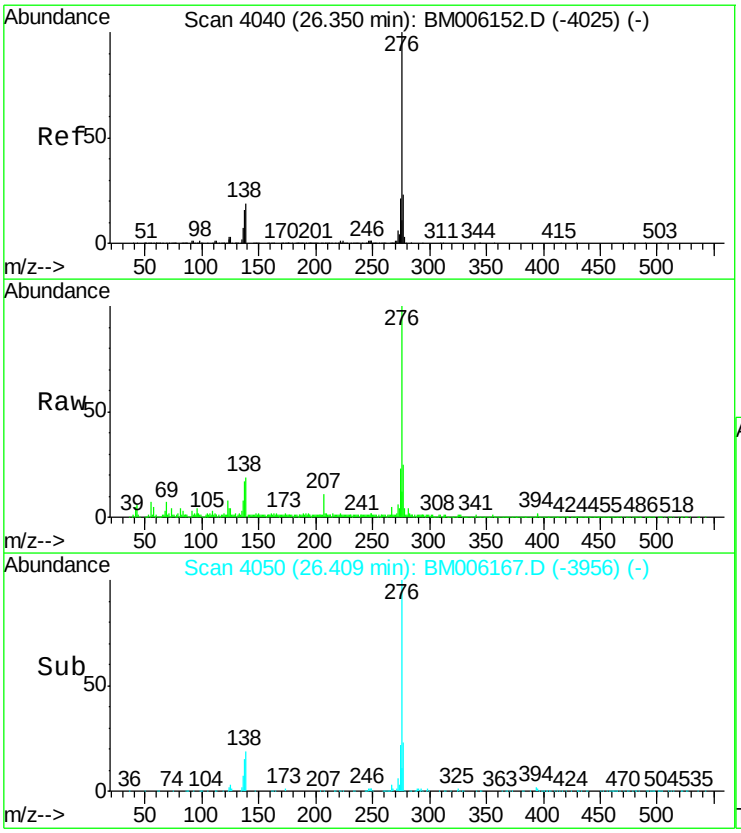
Tgt Ion:278 Resp: 485455

Ion	Ratio	Lower	Upper
278	100		
139	19.9	13.0	19.4#
279	29.4	18.8	28.2#



Instrument :
BNA_M
ClientSampleId :
D9YF4MSD

Manual Integrations APPROVED
sohil
7/1/2016 7:15:34 PM



#41
Benzo(g,h,i)perylene
Concen: 35.21 ng/ul
RT: 26.41 min Scan# 4050
Delta R.T. 0.05 min
Lab File: BM006167.D
Acq: 30 Jun 2016 21:00

Tgt Ion:276 Resp: 1626993

Ion	Ratio	Lower	Upper
276	100		
138	19.3	16.6	25.0
277	25.4	18.9	28.3