Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002135.D
Acq On : 30 Jul 2015 14:14
Operator : TP/UM
Sample : G3030-03RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C01M0RE

Manual Integrations APPROVED
MMDadoda
8/3/2015 11:53:31 AM

Quant Time: Jul 31 02:27:53 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 31 01:27:14 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	126860	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	510745	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.26	164	276698	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.01	188	560571	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	661559	20.00	ng/ul	0.02
86) Perylene-d12	23.44	264	667764	20.00	ng/ul	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.06	96	9527	3.89	ng/uL	0.00
5) Phenol-d5	6.77	99	231743	25.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	125305	24.99	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	198541	25.83	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	190776	26.46	ng/ul	0.00
19) Nitrobenzene-d5	8.75	128	96317	26.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	107741	26.71	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.01	165	200399	25.79	ng/ul	0.00
29) 4-Chloroaniline-d4	10.54	131	132668	15.54	ng/ul	0.02
44) Dimethylphthalate-d6	13.67	166	543042	26.79	ng/ul	0.00
47) Acenaphthylene-d8	13.94	160	626049	24.70	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	70325	20.79	ng/ul	0.01
58) Fluorene-d10	15.26	176	417475	23.41	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	27676	8.07	ng/ul	0.01
71) Anthracene-d10	17.11	188	599379	23.95	ng/ul	0.00
79) Pyrene-d10	19.42	212	641606	23.04	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.30	264	672309	20.77	ng/ul	0.04
Target Compounds						Qvalue
6) Phenol	6.80	94	10501	1.13	ng/ul#	87
28) Naphthalene	10.43	128	115417	4.76	ng/ul	100
34) 2-Methylnaphthalene	12.05	142	67113	3.80	ng/ul	100
35) 1-Methylnaphthalene	12.27	142	57114	3.36	ng/ul	98
41) 1,1'-Biphenyl	13.08	154	25634	1.20	ng/ul	94
45) Dimethylphthalate	13.72	163	270833	13.38	ng/ul	99
48) Acenaphthylene	13.97	152	49284	1.88	ng/ul#	95
50) Acenaphthene	14.32	153	398497	23.25	ng/ul	99
54) Dibenzofuran	14.66	168	218030	8.87	ng/ul	98
59) Fluorene	15.31	166	344388	16.95	ng/ul	99
70) Phenanthrene	17.06	178	4755478	163.78	ng/ul	98
72) Anthracene	17.14	178	1185843	39.95	ng/ul	100
75) Carbazole	17.42	167	444390	17.53	ng/ul	99
76) Di-n-butylphthalate	17.97	149	446878	14.78	ng/ul	98
77) Fluoranthene	19.10	202	7132367	212.74	ng/ul#	94
80) Pyrene	19.46	202	6108308	169.68	ng/ul#	93
81) Butylbenzylphthalate	20.35	149	66373	4.83	ng/ul	93
83) Benzo(a)anthracene	21.22	228	3700370	100.90	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.13	149	312126	14.83	ng/ul	98
85) Chrysene	21.27	228	3404108	99.21	ng/ul	95
88) Benzo(b)fluoranthene	22.79	252	4576680	121.97	ng/ul#	96
89) Benzo(k)fluoranthene	22.83	252	1304924m	36.04	ng/ul	
91) Benzo(a)pyrene	23.36	252	3066967	84.68	ng/ul	96

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Sample : G3030-03RE
Misc :
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Instrument :
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MMDadoda
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Quant Time: Jul 31 02:27:53 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 31 01:27:14 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Indeno(1,2,3-cd)pyrene	25.69	276	1967272	47.14	ng/ul	97
93) Dibenzo(a,h)anthracene	25.68	278	549500	15.38	ng/ul#	92
94) Benzo(g,h,i)perylene	26.37	276	1623274	46.40	ng/ul	98

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

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Manual Integrations APPROVED
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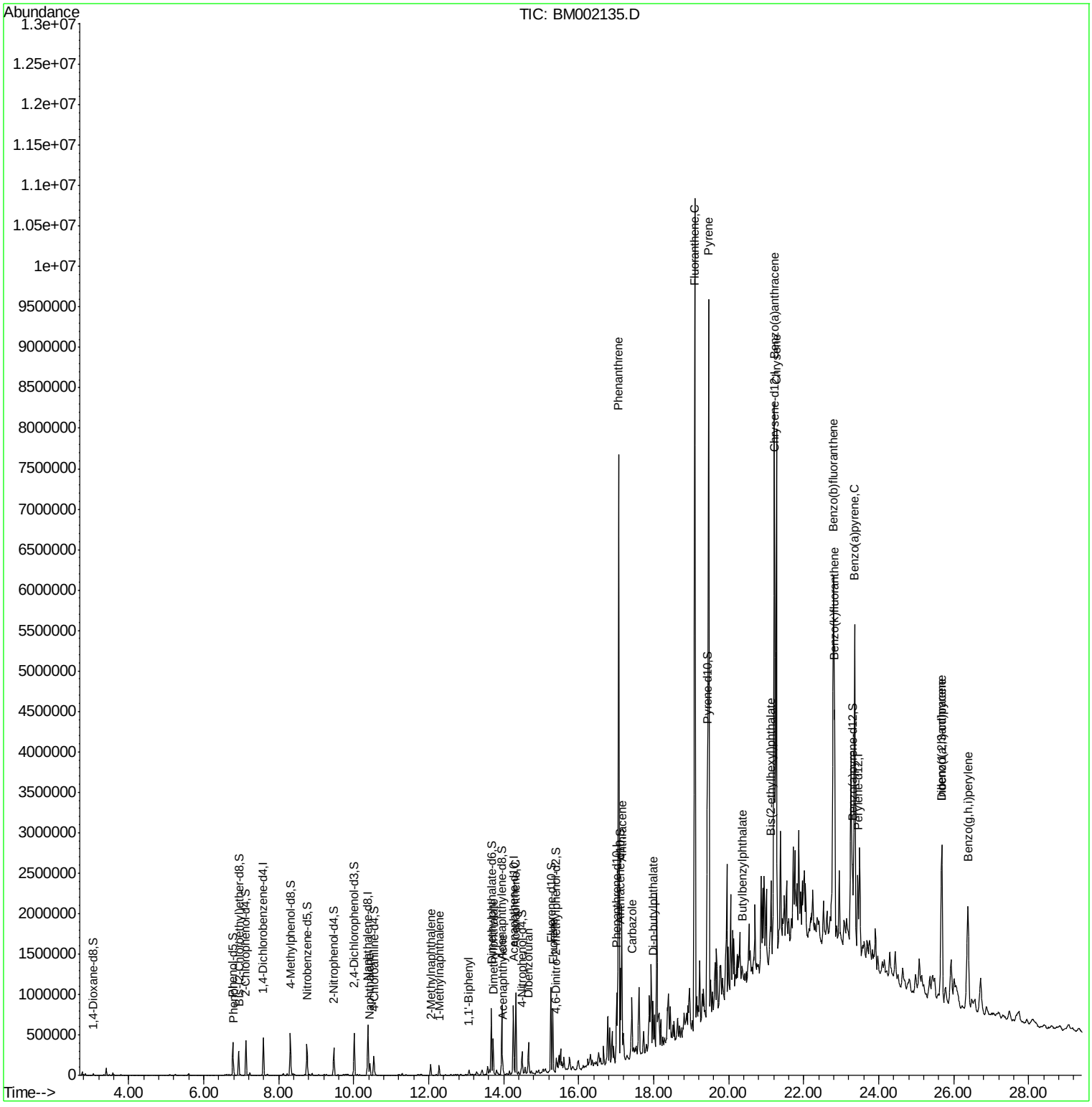
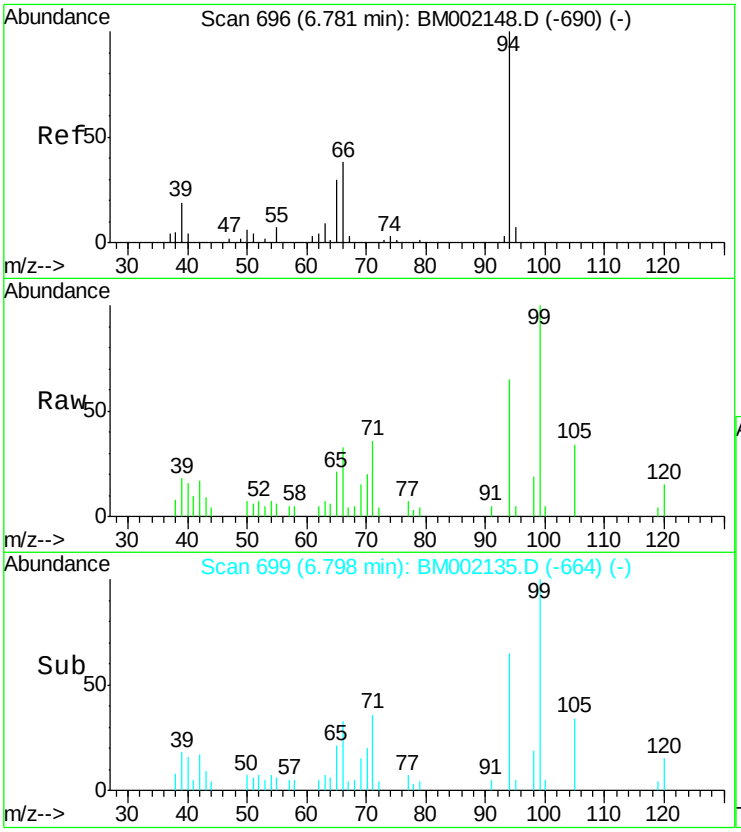
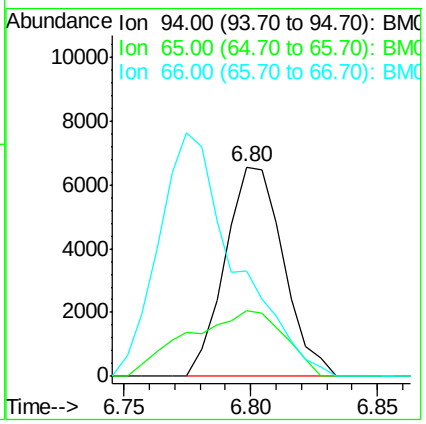




#6
Phenol
Concen: 1.13 ng/ul
RT: 6.80 min Scan# 699
Delta R.T. 0.01 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion: 94 Resp: 10501

Ion	Ratio	Lower	Upper
94	100		
65	31.7	21.8	32.8
66	50.5	32.3	48.5#



Instrument :
BNA_M
ClientSampleId :
C01M0RE

Manual Integrations APPROVED
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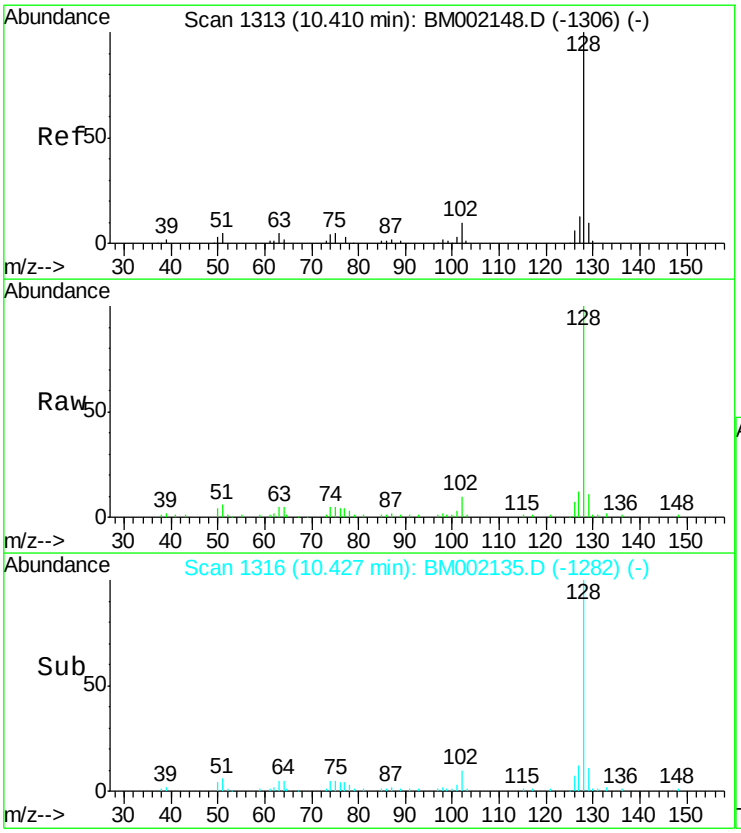
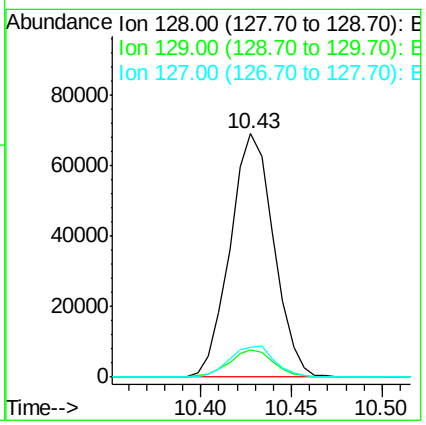
8/3/2015 11:53:31 AM

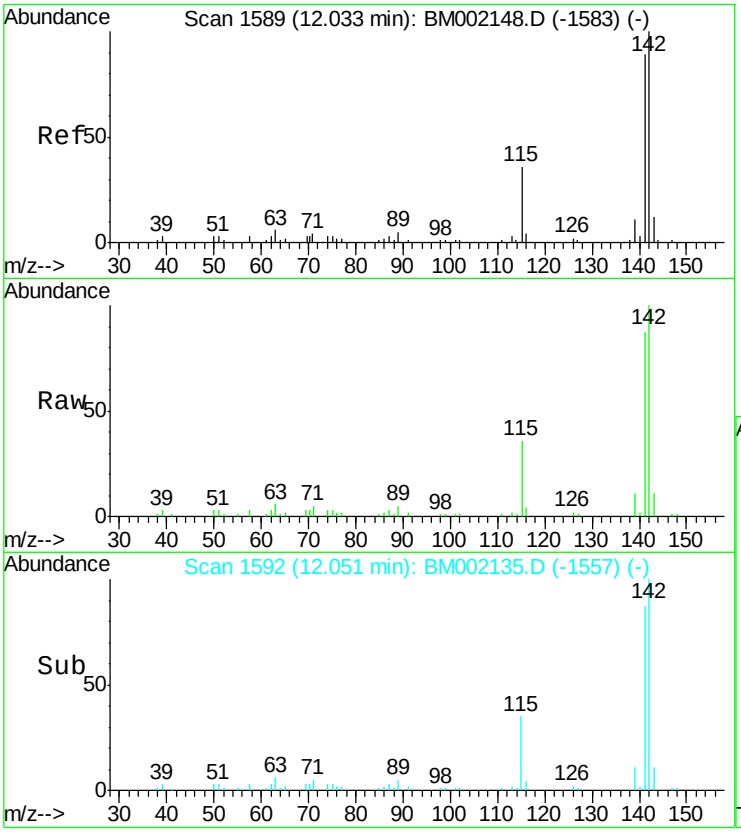


#28
Naphthalene
Concen: 4.76 ng/ul
RT: 10.43 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:128 Resp: 115417

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	12.5	10.2	15.4





#34
2-Methylnaphthalene
Concen: 3.80 ng/ul
RT: 12.05 min Scan# 1592
Delta R.T. 0.01 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:142 Resp: 67113

Ion	Ratio	Lower	Upper
142	100		
141	87.0	69.8	104.6

Instrument :
BNA_M
ClientSampleId :
C01M0RE

Manual Integrations APPROVED
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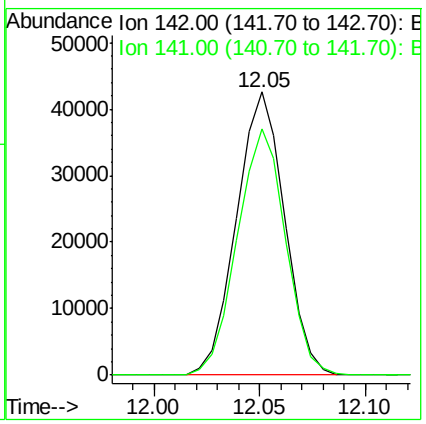
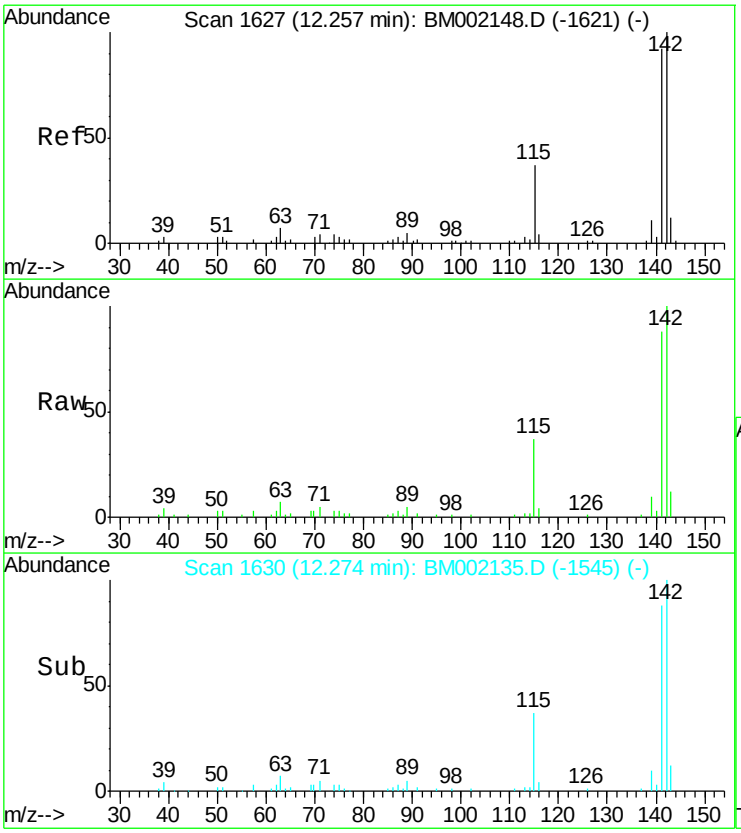
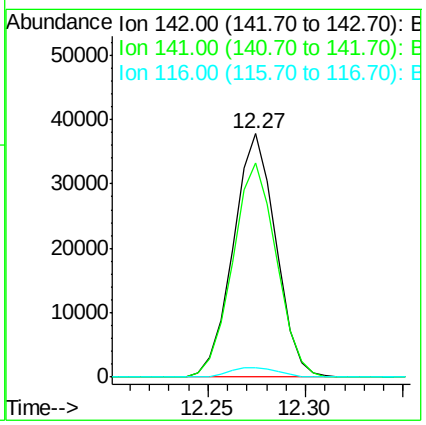


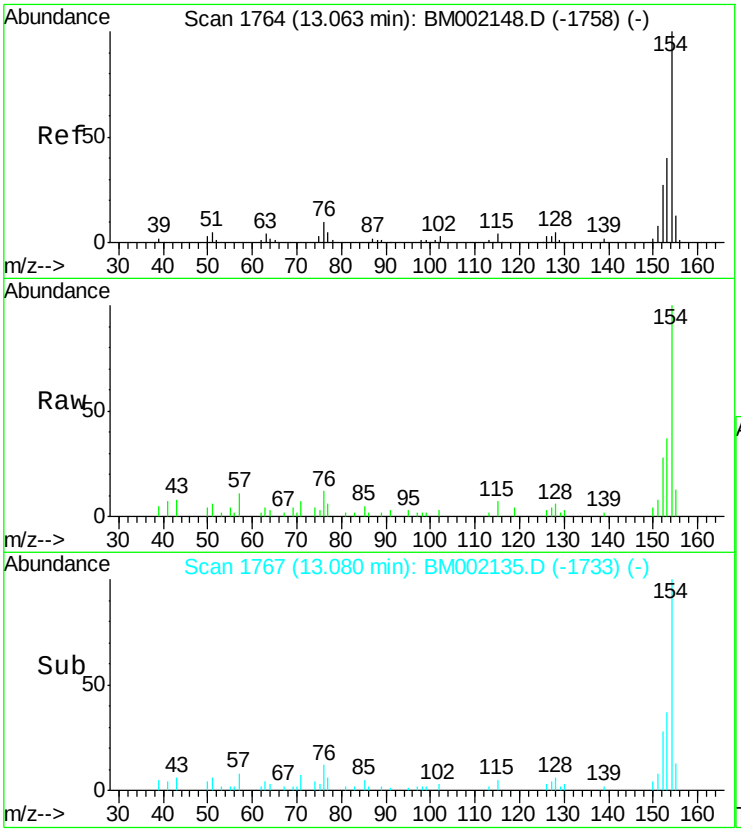


#35
1-Methylnaphthalene
Concen: 3.36 ng/ul
RT: 12.27 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:142 Resp: 57114

Ion	Ratio	Lower	Upper
142	100		
141	88.2	72.4	108.6
116	4.0	3.2	4.8





#41
1,1'-Biphenyl
Concen: 1.20 ng/ul
RT: 13.08 min Scan# 1767
Delta R.T. 0.00 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:154 Resp: 25634

Ion	Ratio	Lower	Upper
154	100		
153	36.5	32.5	48.7
76	11.7	8.8	13.2

Instrument :
BNA_M
ClientSampleId :
C01M0RE

Manual Integrations APPROVED
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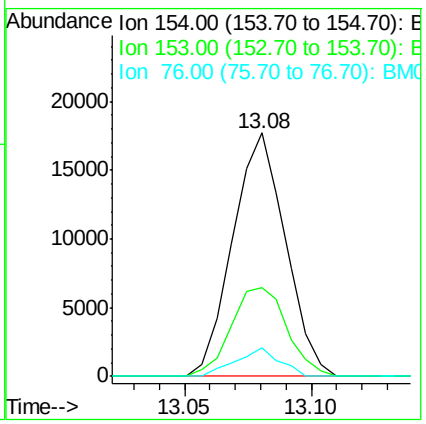
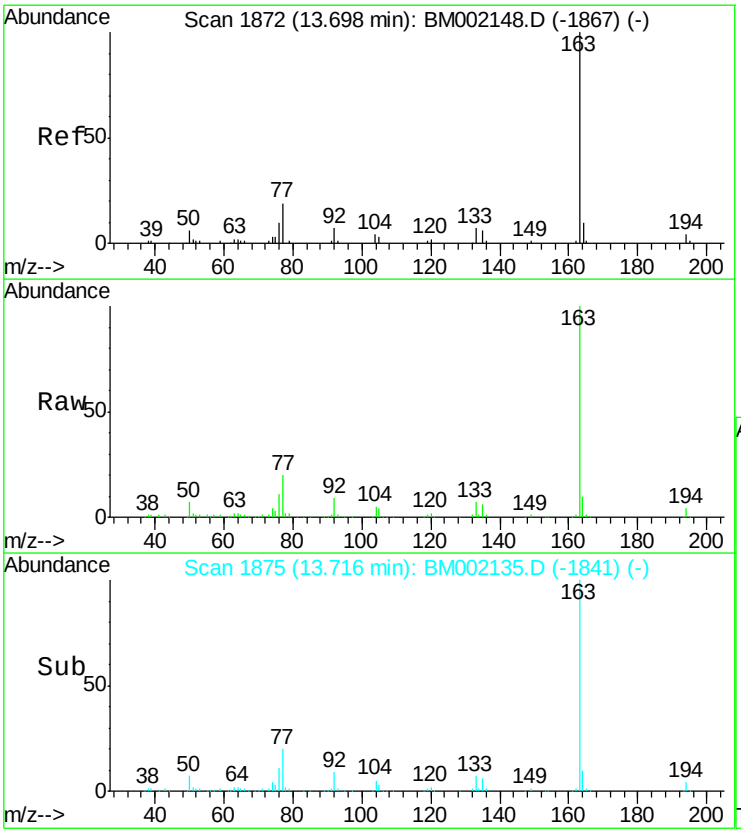
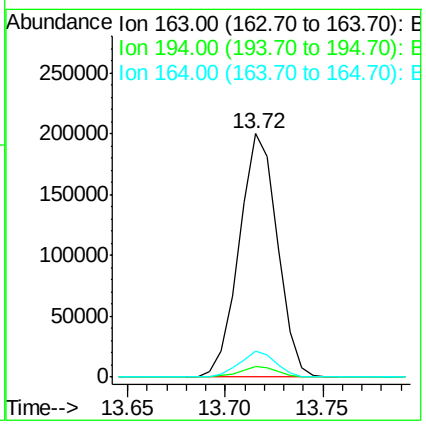


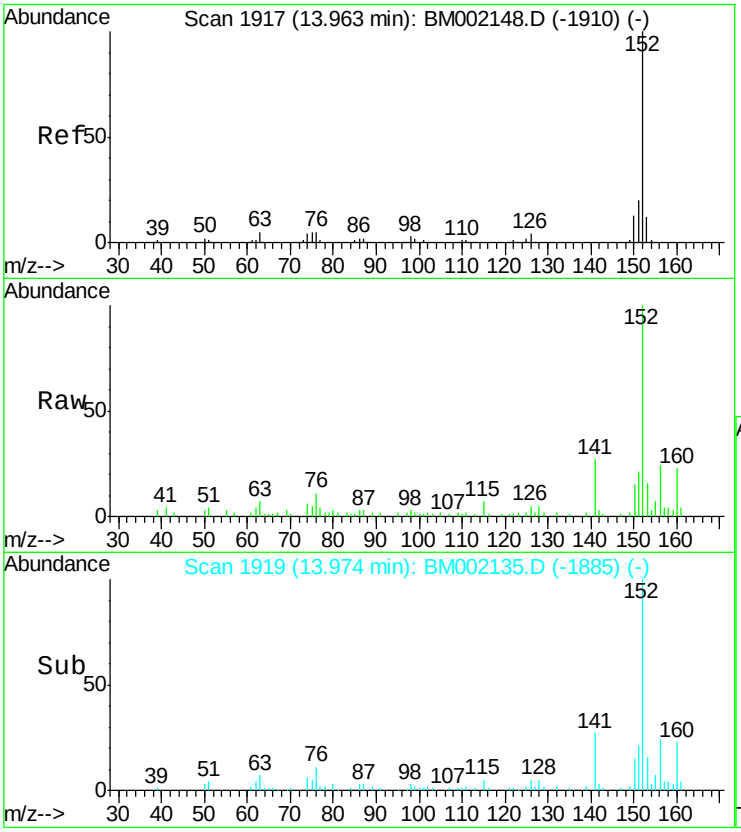


#45
Dimethylphthalate
Concen: 13.38 ng/ul
RT: 13.72 min Scan# 1875
Delta R.T. 0.00 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:163 Resp: 270833

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.5	8.0	12.0

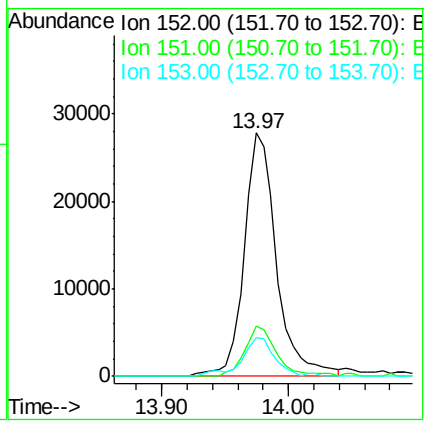




#48
Acenaphthylene
Concen: 1.88 ng/ul
RT: 13.97 min Scan# 1919
Delta R.T. 0.00 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:152 Resp: 49284

Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.6	23.4
153	16.1	10.3	15.5#



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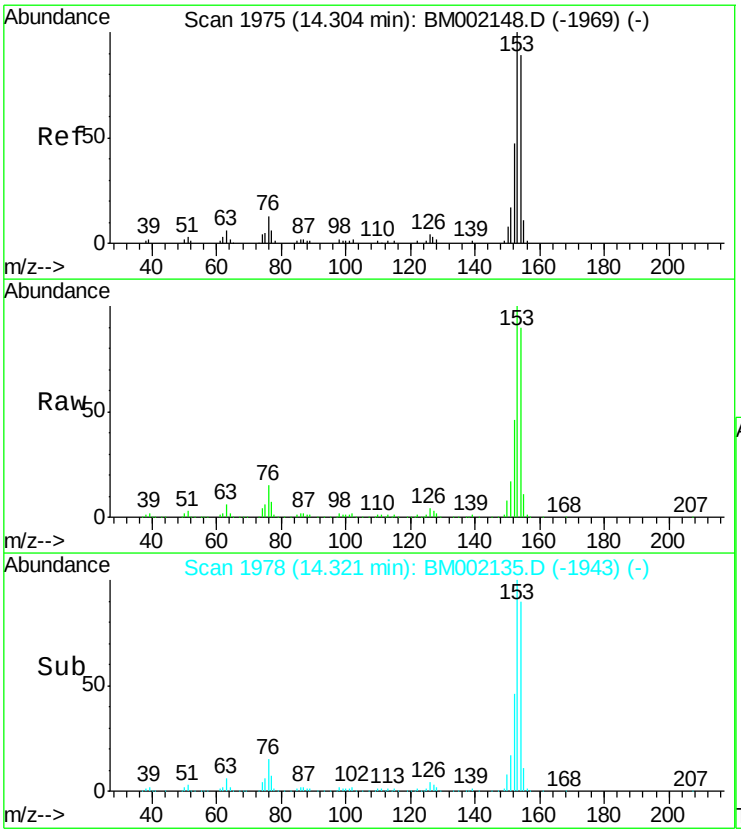
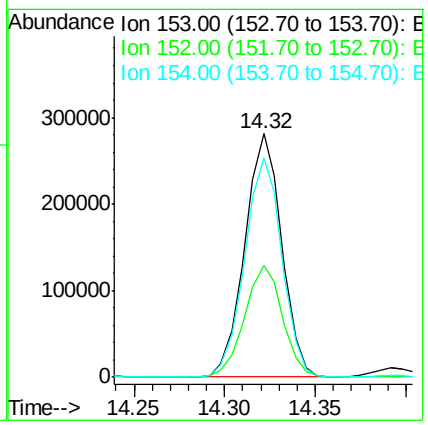
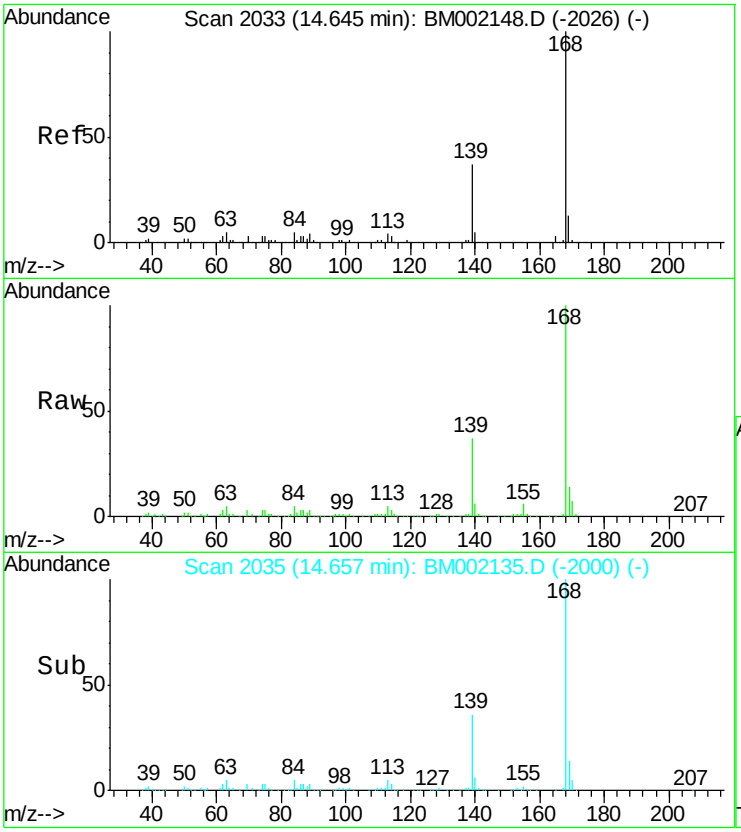


#50
Acenaphthene
Concen: 23.25 ng/ul
RT: 14.32 min Scan# 1978
Delta R.T. 0.01 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:153 Resp: 398497

Ion	Ratio	Lower	Upper
153	100		
152	45.8	37.3	55.9
154	89.9	71.4	107.2

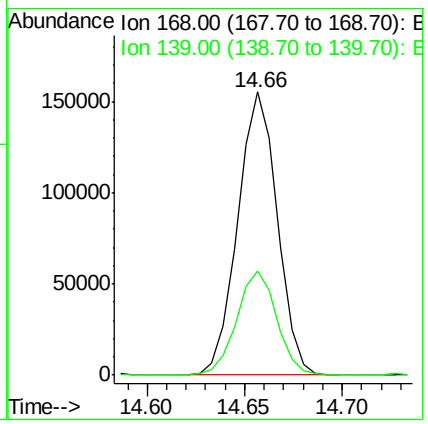




#54
Dibenzofuran
Concen: 8.87 ng/ul
RT: 14.66 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:168 Resp: 218030

Ion	Ratio	Lower	Upper
168	100		
139	36.6	28.2	42.2



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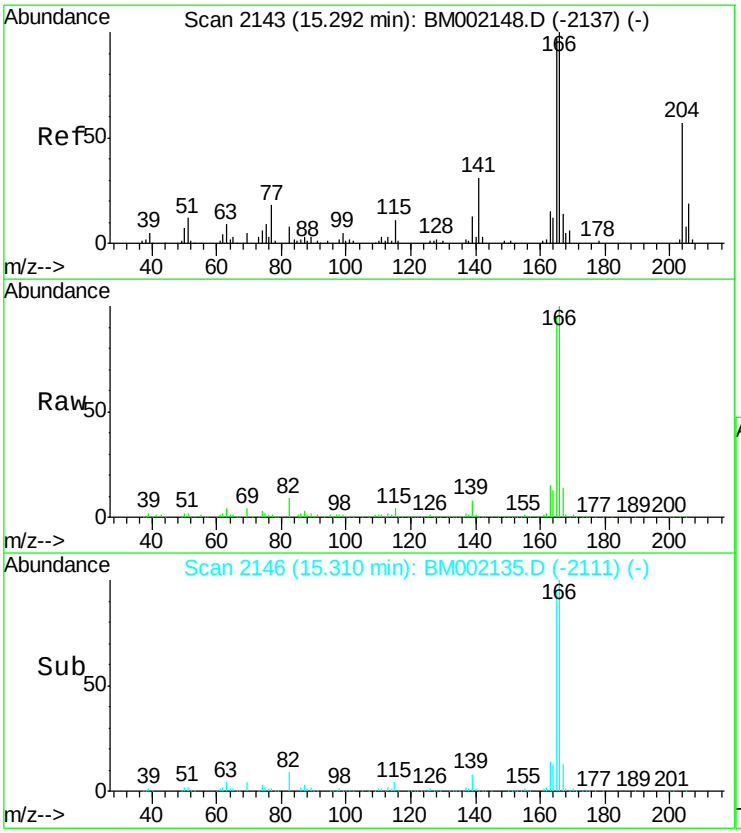
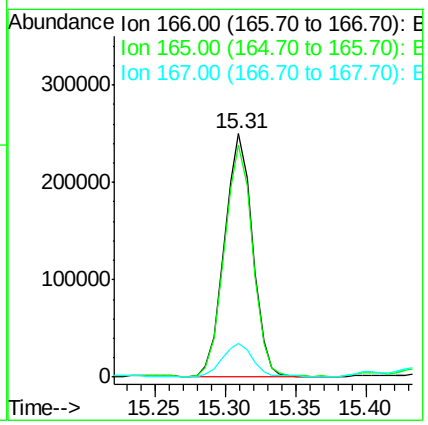
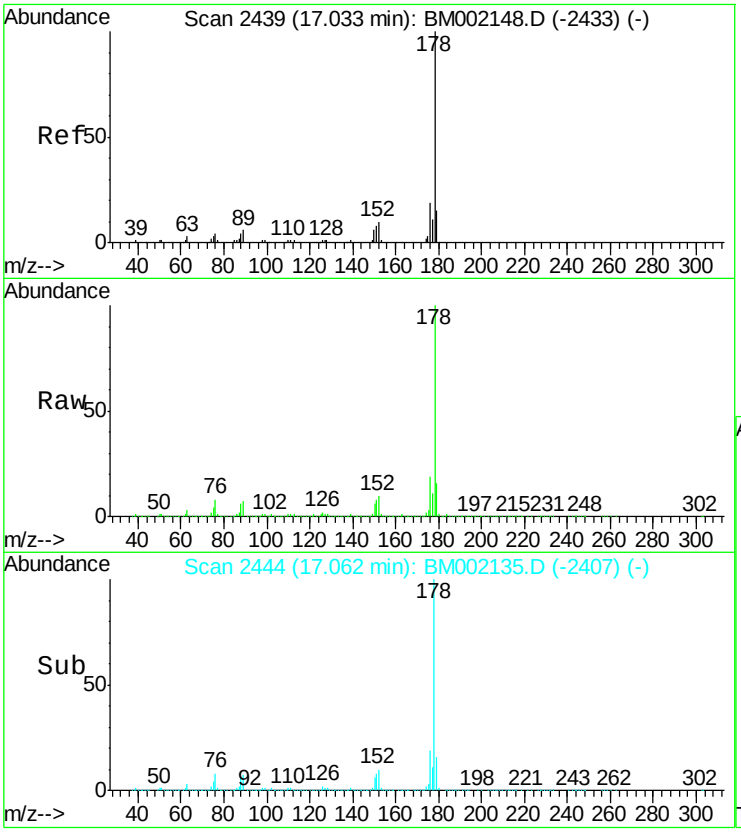


#59
Fluorene
Concen: 16.95 ng/ul
RT: 15.31 min Scan# 2146
Delta R.T. 0.01 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:166 Resp: 344388

Ion	Ratio	Lower	Upper
166	100		
165	95.4	75.6	113.4
167	13.8	10.5	15.7

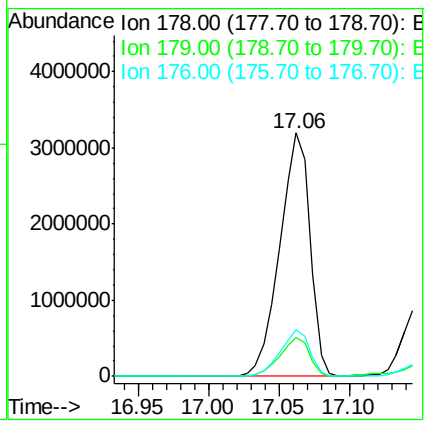




#70
Phenanthrene
Concen: 163.78 ng/ul
RT: 17.06 min Scan# 2444
Delta R.T. 0.02 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:178 Resp: 4755478

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.5	18.7
176	18.9	14.2	21.4



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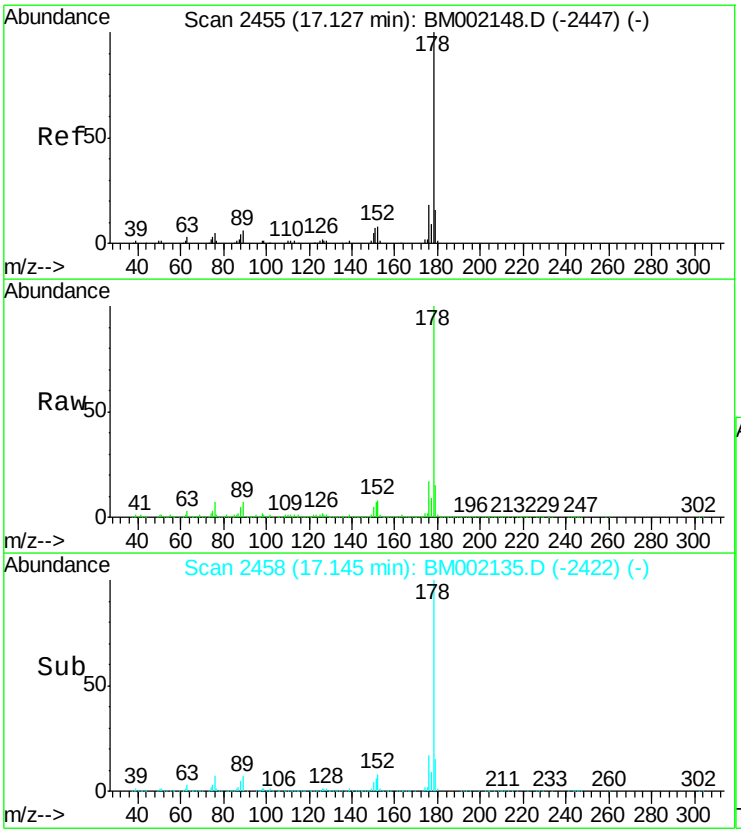
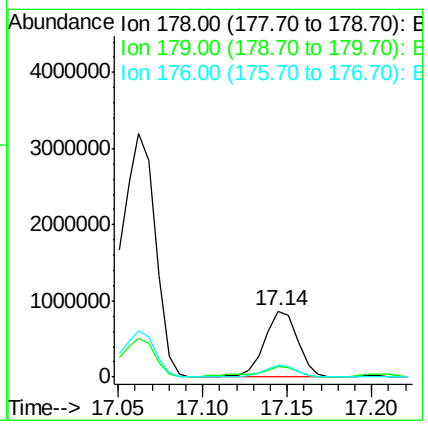
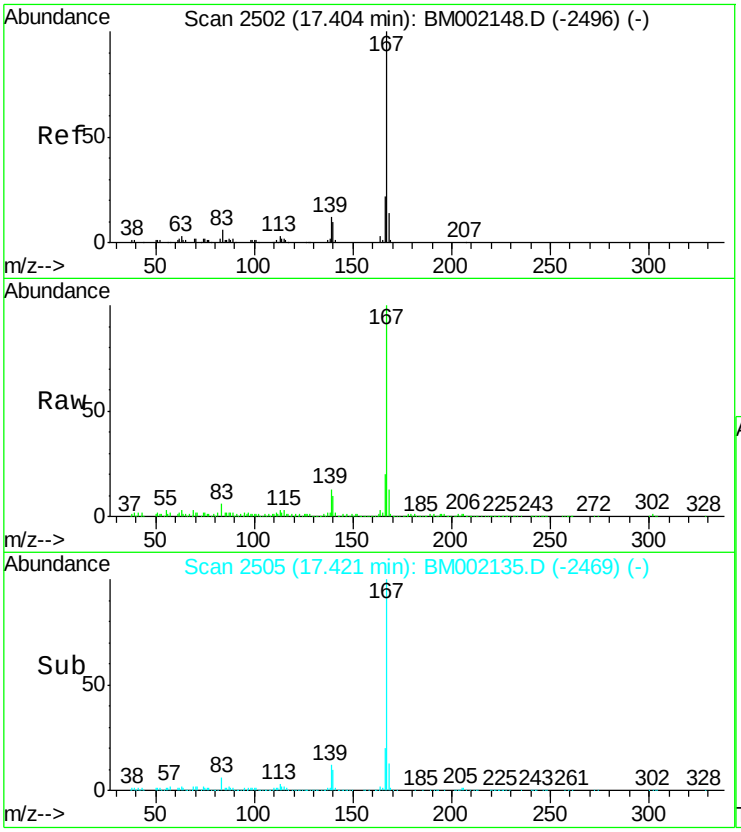


#72
Anthracene
Concen: 39.95 ng/ul
RT: 17.14 min Scan# 2458
Delta R.T. 0.01 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:178 Resp: 1185843

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.1	18.1
176	17.4	14.1	21.1

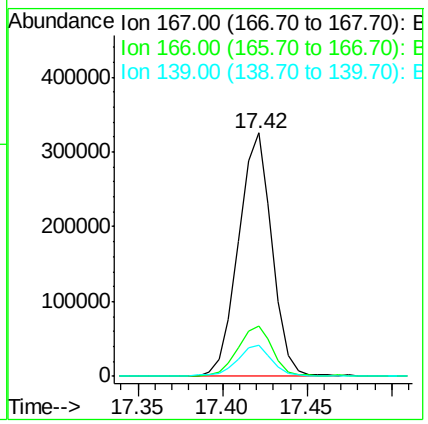




#75
Carbazole
Concen: 17.53 ng/ul
RT: 17.42 min Scan# 2505
Delta R.T. 0.01 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:167 Resp: 444390

Ion	Ratio	Lower	Upper
167	100		
166	20.4	16.2	24.4
139	12.6	9.6	14.4



Instrument :
BNA_M
ClientSampleId :
C01M0RE

Manual Integrations APPROVED
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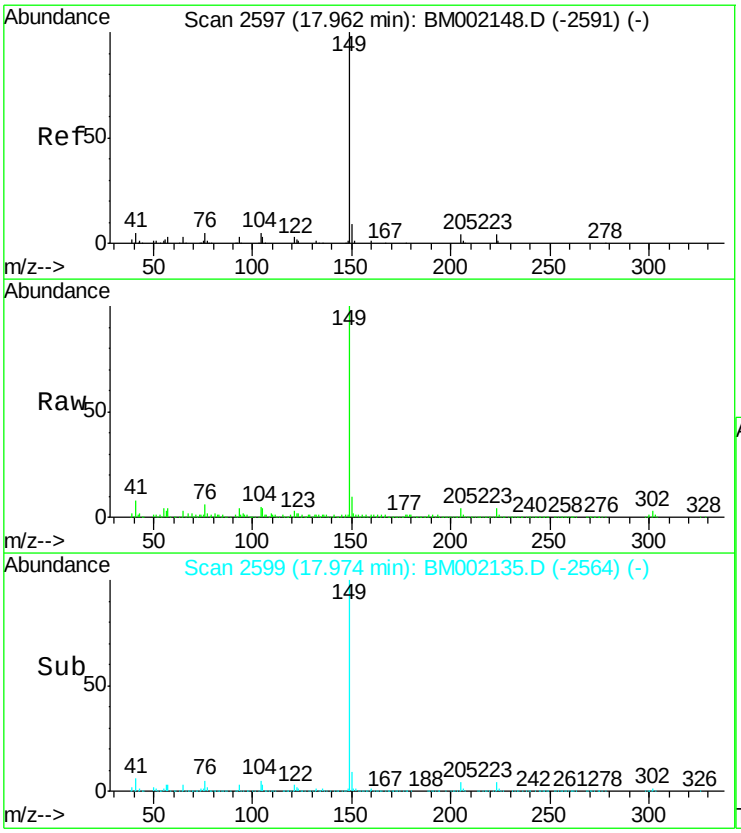
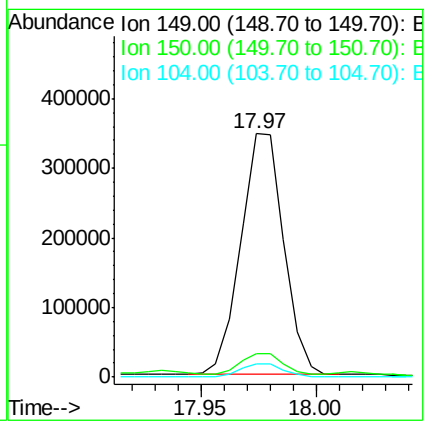
8/3/2015 11:53:31 AM

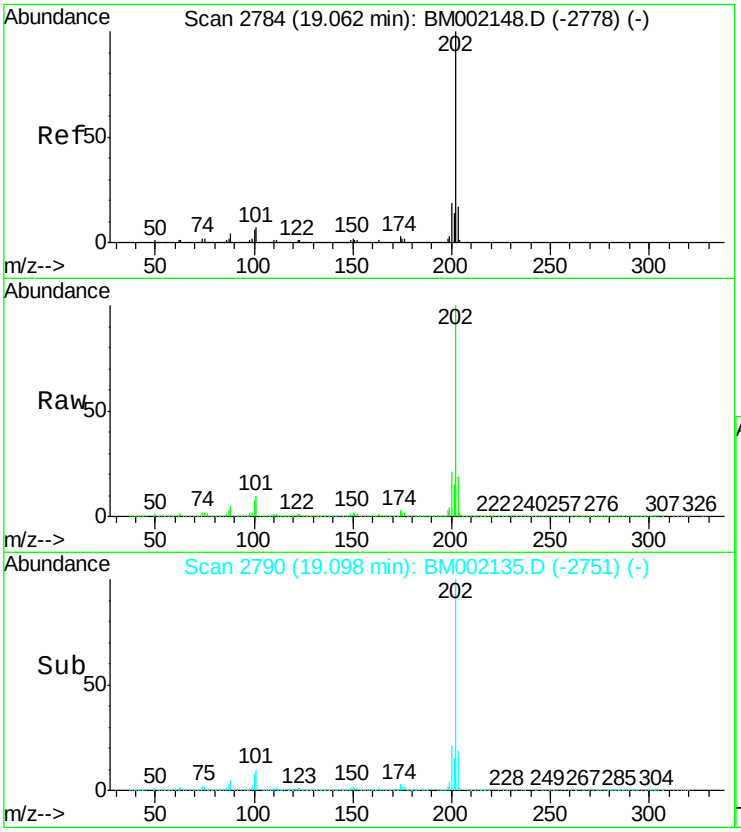


#76
Di-n-butylphthalate
Concen: 14.78 ng/ul
RT: 17.97 min Scan# 2599
Delta R.T. 0.01 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:149 Resp: 446878

Ion	Ratio	Lower	Upper
149	100		
150	9.9	7.0	10.4
104	5.3	4.2	6.2

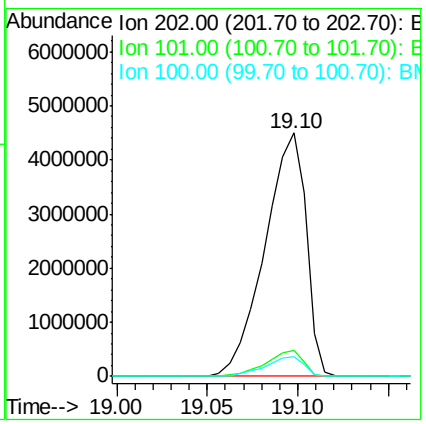




#77
Fluoranthene
Concen: 212.74 ng/ul
RT: 19.10 min Scan# 2790
Delta R.T. 0.03 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:202 Resp: 7132367

Ion	Ratio	Lower	Upper
202	100		
101	10.5	6.2	9.4#
100	8.0	5.2	7.8#



Instrument :
BNA_M
ClientSampleId :
C01M0RE

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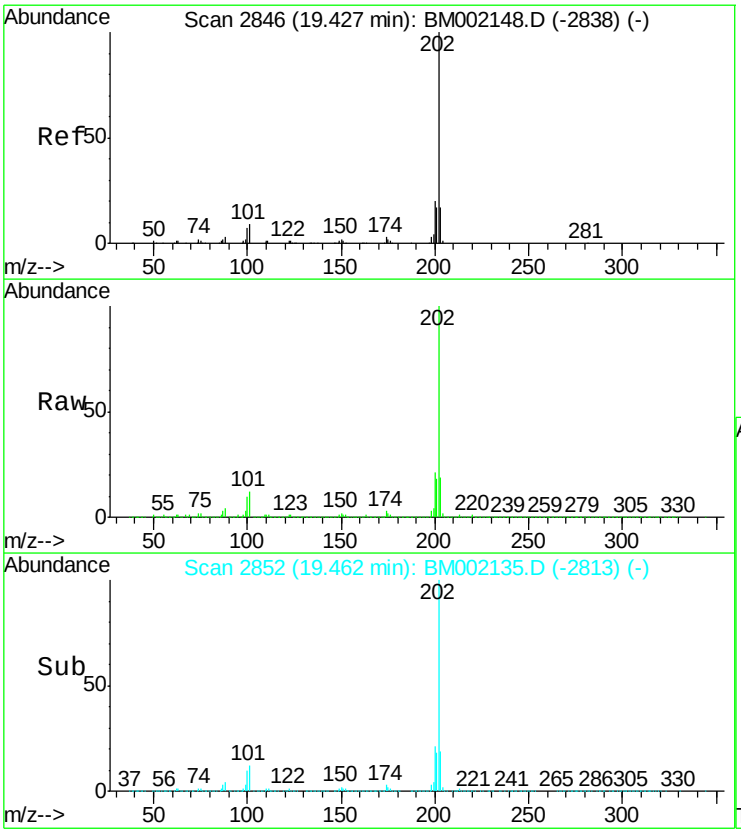
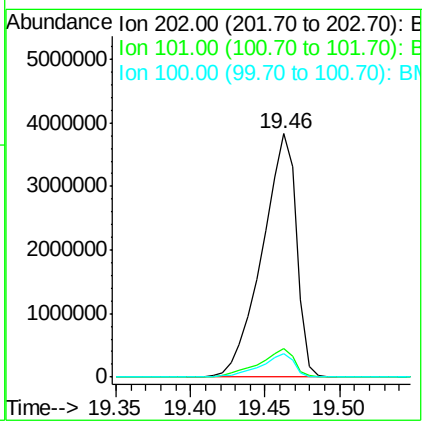
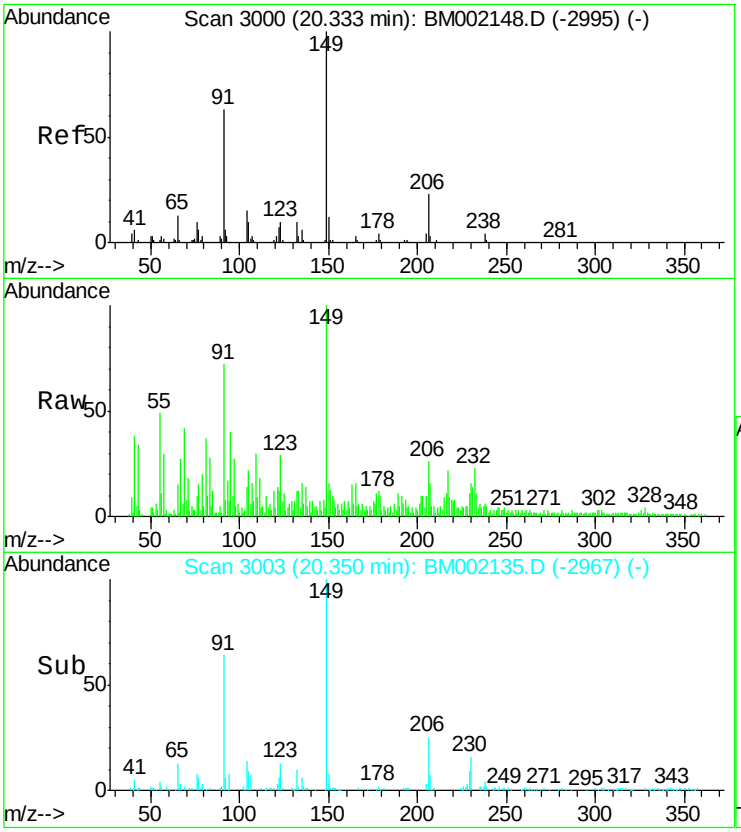


#80
Pyrene
Concen: 169.68 ng/ul
RT: 19.46 min Scan# 2852
Delta R.T. 0.03 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:202 Resp: 6108308

Ion	Ratio	Lower	Upper
202	100		
101	12.0	7.4	11.2#
100	9.9	6.3	9.5#

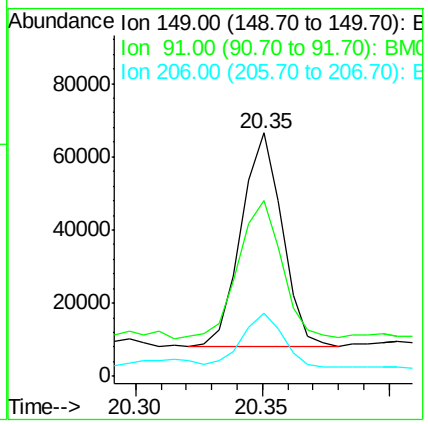




#81
Butylbenzylphthalate
Concen: 4.83 ng/ul
RT: 20.35 min Scan# 3003
Delta R.T. 0.01 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:149 Resp: 66373

Ion	Ratio	Lower	Upper
149	100		
91	72.3	52.4	78.6
206	25.7	19.9	29.9



Instrument :
BNA_M
ClientSampleId :
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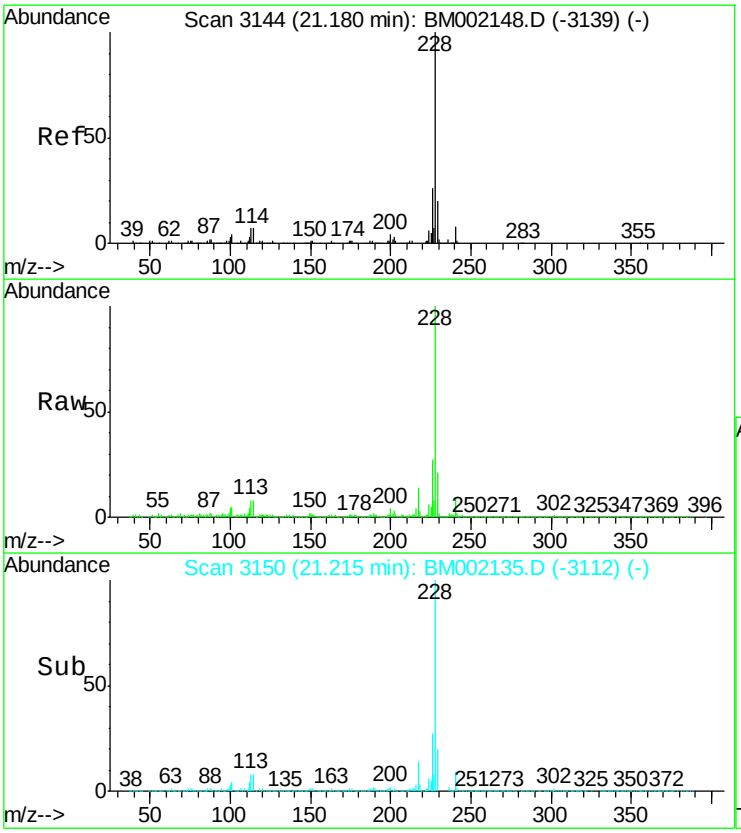
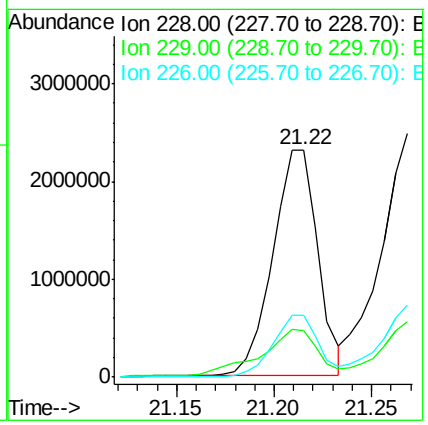
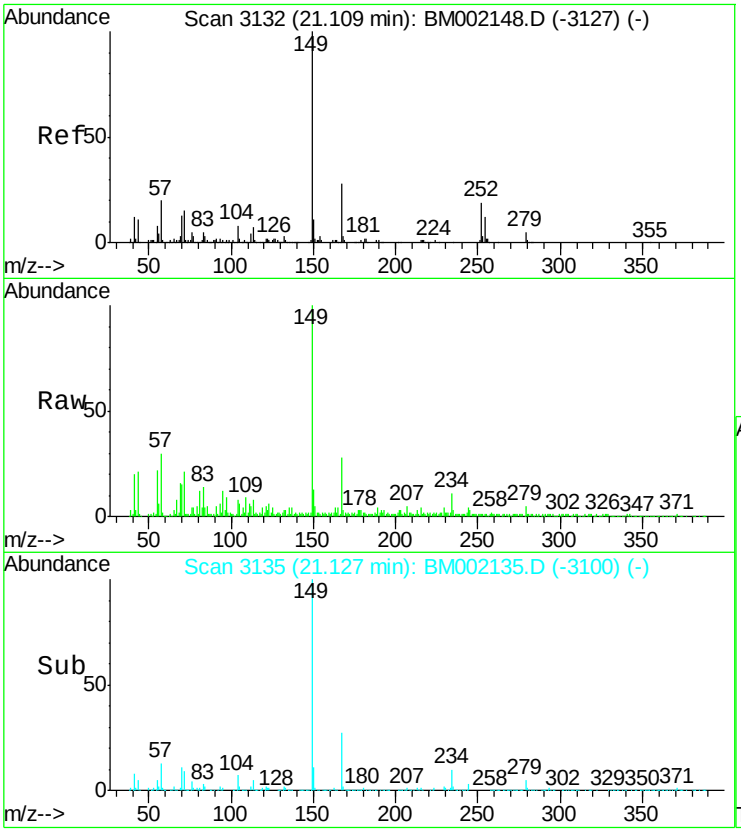


#83
Benzo(a)anthracene
Concen: 100.90 ng/ul
RT: 21.22 min Scan# 3150
Delta R.T. 0.02 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:228 Resp: 3700370

Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.4	23.2
226	27.3	20.5	30.7





#84
Bis(2-ethylhexyl)phthalate
Concen: 14.83 ng/ul
RT: 21.13 min Scan# 3135
Delta R.T. 0.01 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:149 Resp: 312126

Ion	Ratio	Lower	Upper
149	100		
167	28.0	23.6	35.4
279	5.3	4.2	6.4

Instrument :
BNA_M
ClientSampleId :
C01M0RE

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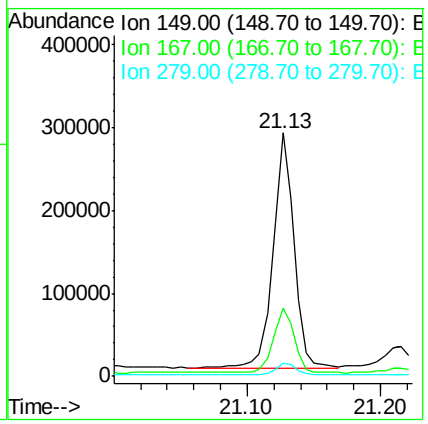
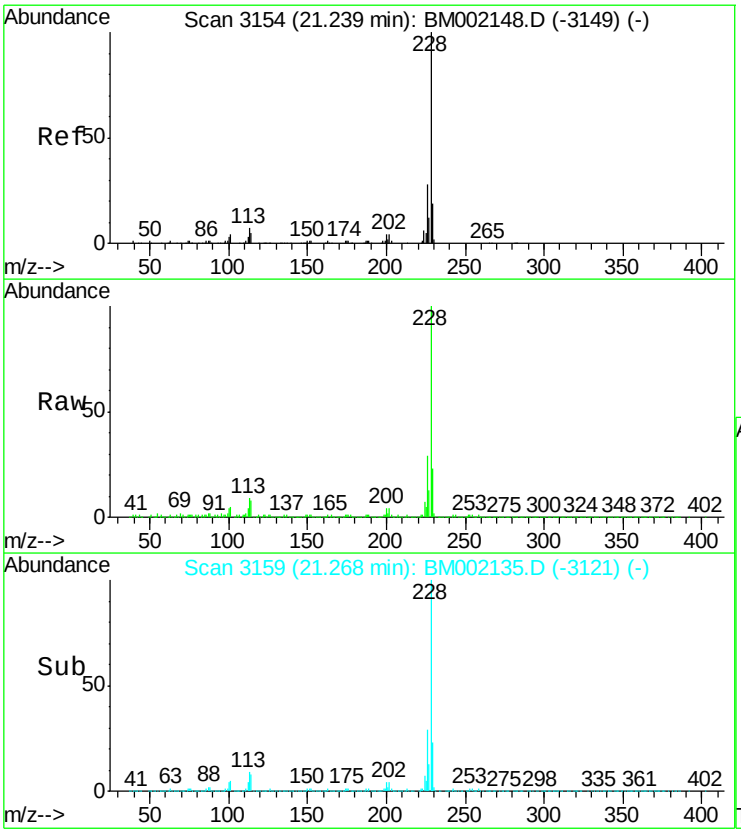
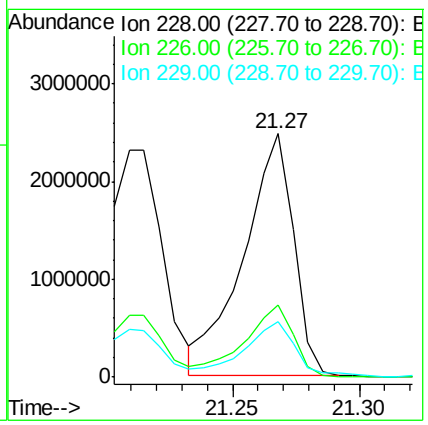


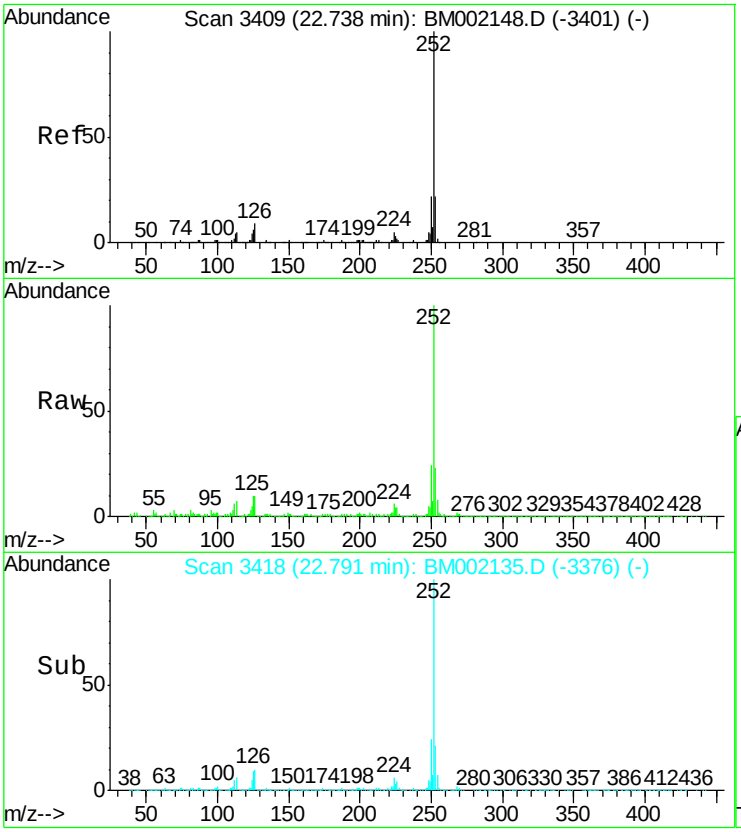


#85
Chrysene
Concen: 99.21 ng/ul
RT: 21.27 min Scan# 3159
Delta R.T. 0.02 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:228 Resp: 3404108

Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.3	33.5
229	22.9	15.5	23.3





#88
Benzo(b)fluoranthene
Concen: 121.97 ng/ul
RT: 22.79 min Scan# 3418
Delta R.T. 0.05 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:252 Resp: 4576680

Ion	Ratio	Lower	Upper
252	100		
253	22.9	16.9	25.3
125	9.6	6.2	9.2#

Instrument :
BNA_M
ClientSampleId :
C01M0RE

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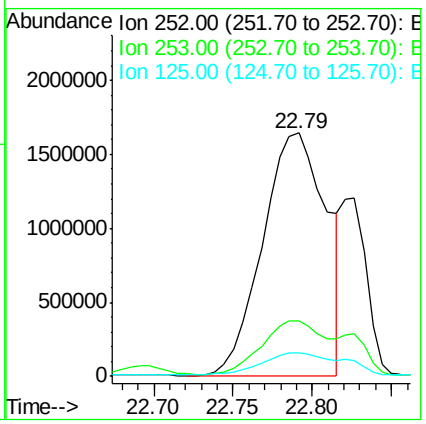
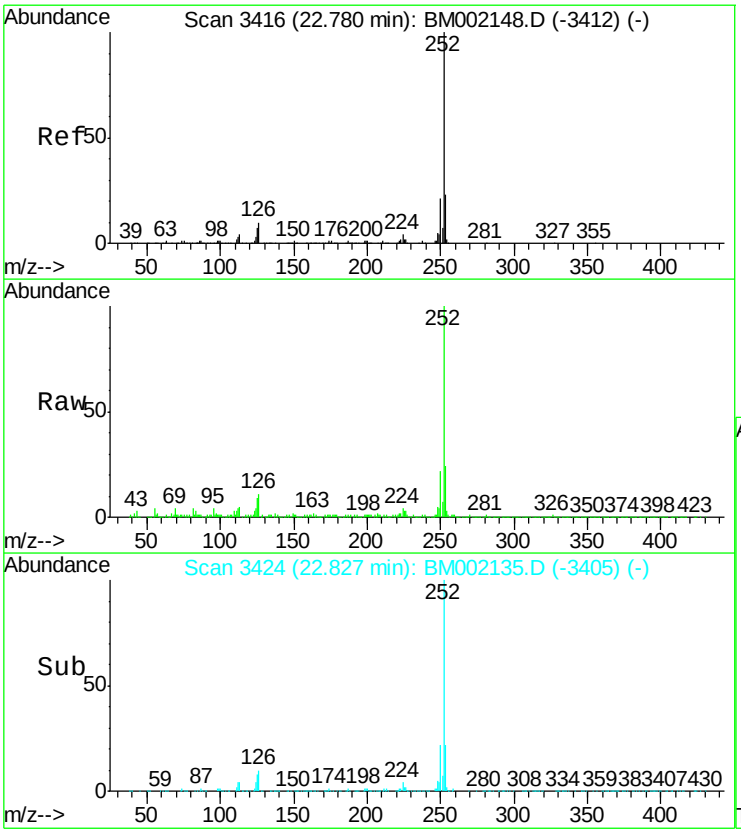
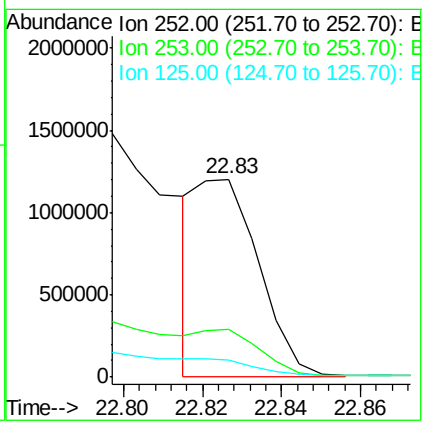


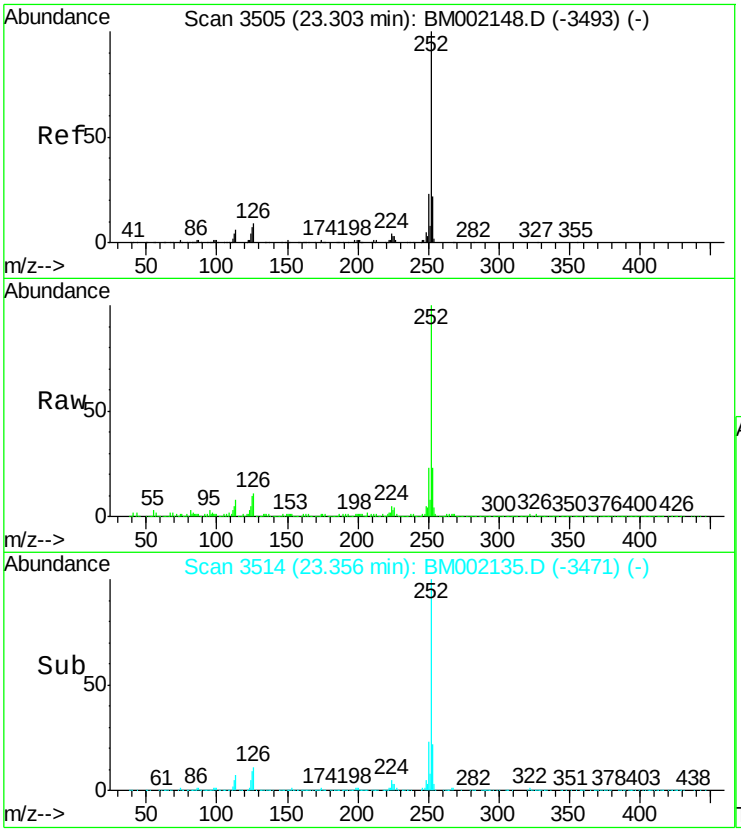


#89
Benzo(k)fluoranthene
Concen: 36.04 ng/ul m
RT: 22.83 min Scan# 3424
Delta R.T. 0.04 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:252 Resp: 1304924

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.0
125	8.5	6.2	9.4

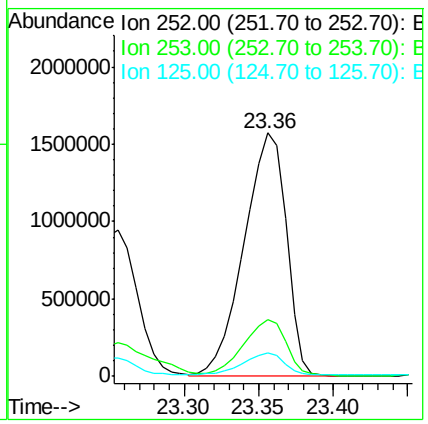




#91
Benzo(a)pyrene
Concen: 84.68 ng/ul
RT: 23.36 min Scan# 3514
Delta R.T. 0.05 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:252 Resp: 3066967

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.2	25.8
125	9.8	6.6	10.0



Instrument :
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ClientSampleId :
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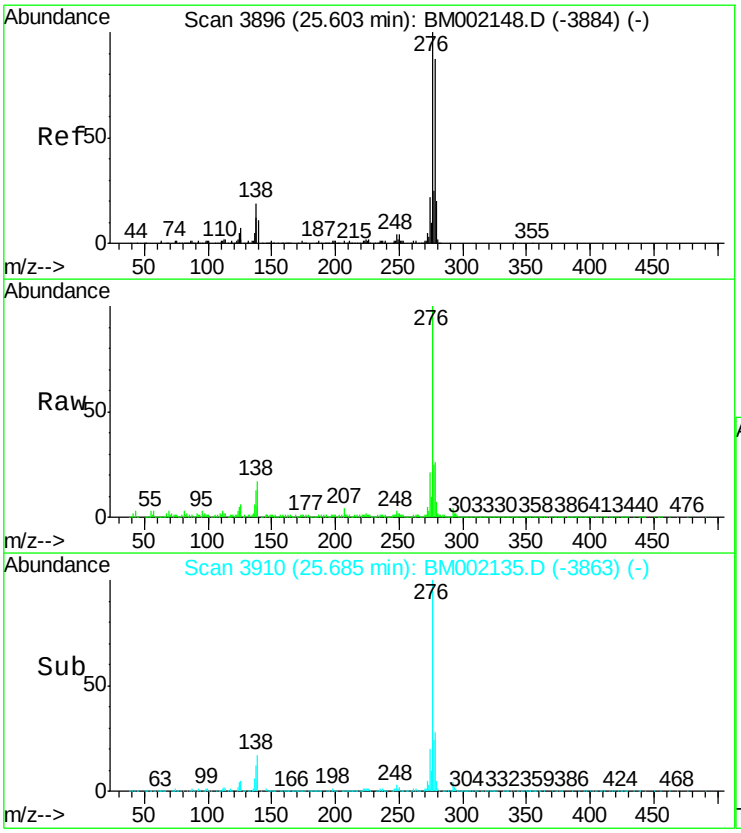
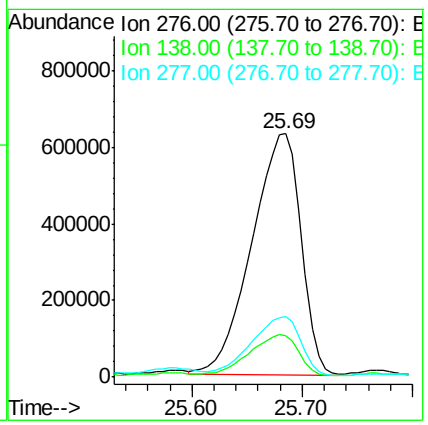
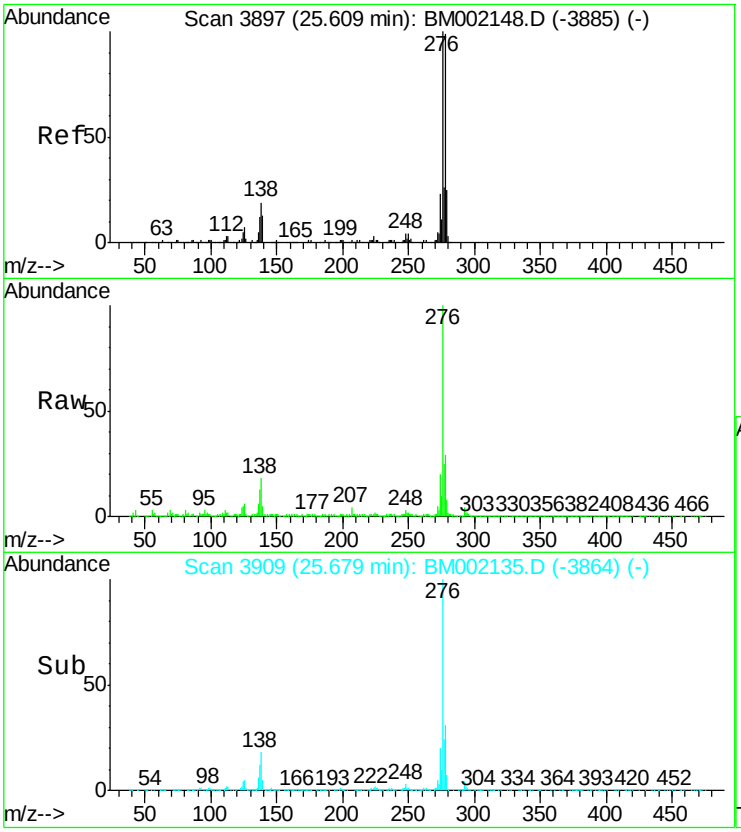


#92
Indeno(1,2,3-cd)pyrene
Concen: 47.14 ng/ul
RT: 25.69 min Scan# 3910
Delta R.T. 0.08 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:276 Resp: 1967272

Ion	Ratio	Lower	Upper
276	100		
138	17.2	16.2	24.2
277	24.9	19.8	29.8





#93
Dibenzo(a,h)anthracene
Concen: 15.38 ng/ul
RT: 25.68 min Scan# 3909
Delta R.T. 0.06 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:278 Resp: 549500

Ion	Ratio	Lower	Upper
278	100		
139	16.6	10.6	16.0#
279	27.0	18.5	27.7

Instrument :
BNA_M
ClientSampleId :
C01M0RE

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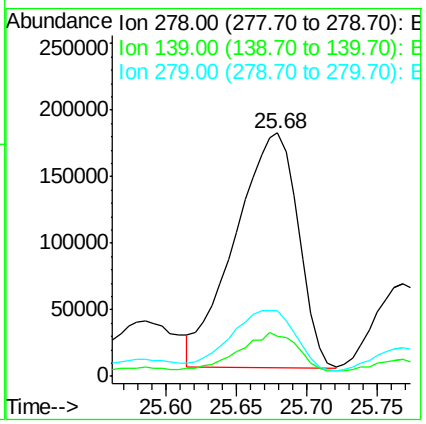

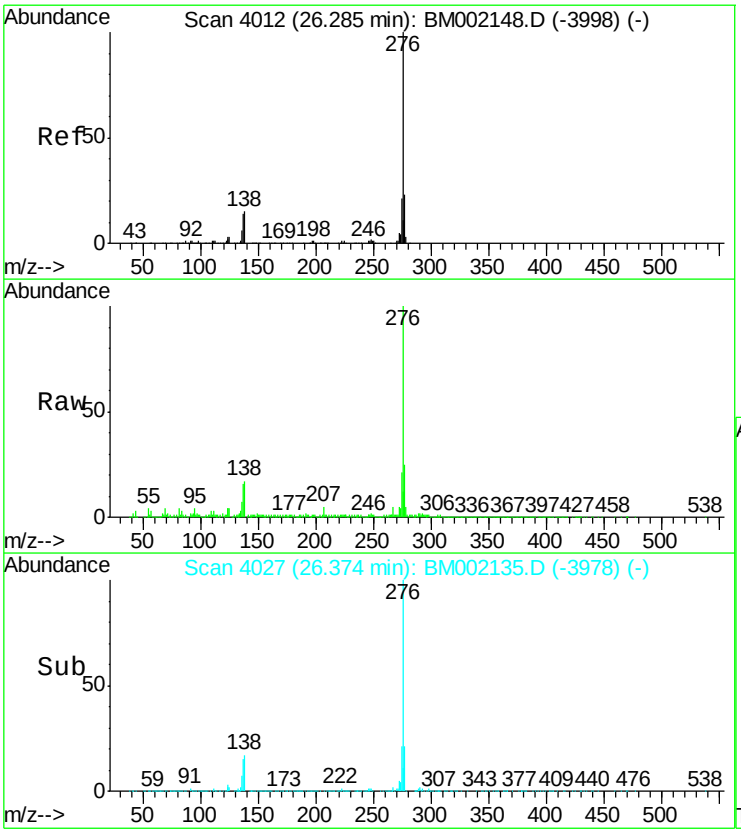

#94
Benzo(g,h,i)perylene
Concen: 46.40 ng/ul
RT: 26.37 min Scan# 4027
Delta R.T. 0.09 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:276 Resp: 1623274

Ion	Ratio	Lower	Upper
276	100		
138	17.4	13.8	20.6
277	24.6	18.2	27.2