Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM073015\
Data File : BM002139.D
Acq On : 30 Jul 2015 16:42
Operator : TP/UM
Sample : G3048-07RE
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01X0RE

Manual Integrations APPROVED
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8/10/2015 10:20:22 AM

Quant Time: Aug 07 18:31:57 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	7.60	152	196348	20.00	ng/ul	0.01
18) Naphthalene-d8	10.39	136	797058	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.27	164	429314	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.02	188	850884	20.00	ng/ul	0.02
78) Chrysene-d12	21.23	240	988736	20.00	ng/ul	0.03
86) Perylene-d12	23.45	264	975150	20.00	ng/ul	0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.06	96	7059	1.86	ng/uL	0.00
5) Phenol-d5	6.79	99	176935	12.61	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.93	67	107870	13.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	158997	13.36	ng/ul	0.01
13) 4-Methylphenol-d8	8.32	113	103700	9.29	ng/ul	0.02
19) Nitrobenzene-d5	8.76	128	78501	13.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	84014	13.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.02	165	148796	12.27	ng/ul	0.02
29) 4-Chloroaniline-d4	10.53	131	52752	3.96	ng/ul	0.01
44) Dimethylphthalate-d6	13.68	166	430643	13.69	ng/ul	0.01
47) Acenaphthylene-d8	13.96	160	495704	12.61	ng/ul	0.01
52) 4-Nitrophenol-d4	14.50	143	30490	5.81	ng/ul	0.02
58) Fluorene-d10	15.27	176	340756	12.32	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	15.42	200	9025	1.73	ng/ul	0.03
71) Anthracene-d10	17.12	188	476460	12.54	ng/ul	0.02
79) Pyrene-d10	19.43	212	525523	12.63	ng/ul	0.03
90) Benzo(a)pyrene-d12	23.31	264	536071	11.34	ng/ul	0.05
Target Compounds						Qvalue
28) Naphthalene	10.44	128	100273	2.65	ng/ul	98
34) 2-Methylnaphthalene	12.06	142	54173	1.97	ng/ul	100
45) Dimethylphthalate	13.73	163	192728	6.14	ng/ul	100
48) Acenaphthylene	13.99	152	82244	2.03	ng/ul#	86
50) Acenaphthene	14.33	153	83124	3.13	ng/ul	98
54) Dibenzofuran	14.67	168	73653	1.93	ng/ul#	86
59) Fluorene	15.32	166	135197	4.29	ng/ul#	94
70) Phenanthrene	17.07	178	1688613	38.31	ng/ul	99
72) Anthracene	17.16	178	379039	8.41	ng/ul	98
75) Carbazole	17.43	167	97938	2.54	ng/ul#	80
76) Di-n-butylphthalate	17.99	149	102252	2.23	ng/ul#	88
77) Fluoranthene	19.10	202	2397411	47.11	ng/ul	99
80) Pyrene	19.47	202	2392513	44.47	ng/ul	98
83) Benzo(a)anthracene	21.22	228	1272495	23.22	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.13	149	67791	2.15	ng/ul#	79
85) Chrysene	21.27	228	1237053	24.12	ng/ul	96
88) Benzo(b)fluoranthene	22.79	252	1548109	28.25	ng/ul#	94
89) Benzo(k)fluoranthene	22.82	252	420979m	7.96	ng/ul	
91) Benzo(a)pyrene	23.36	252	1092919	20.66	ng/ul#	96
92) Indeno(1,2,3-cd)pyrene	25.69	276	725653	11.91	ng/ul	96
93) Dibenzo(a,h)anthracene	25.68	278	211635	4.06	ng/ul#	87
94) Benzo(g,h,i)perylene	26.38	276	670164	13.12	ng/ul	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (LSC Reviewed)

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Manual Integrations APPROVED
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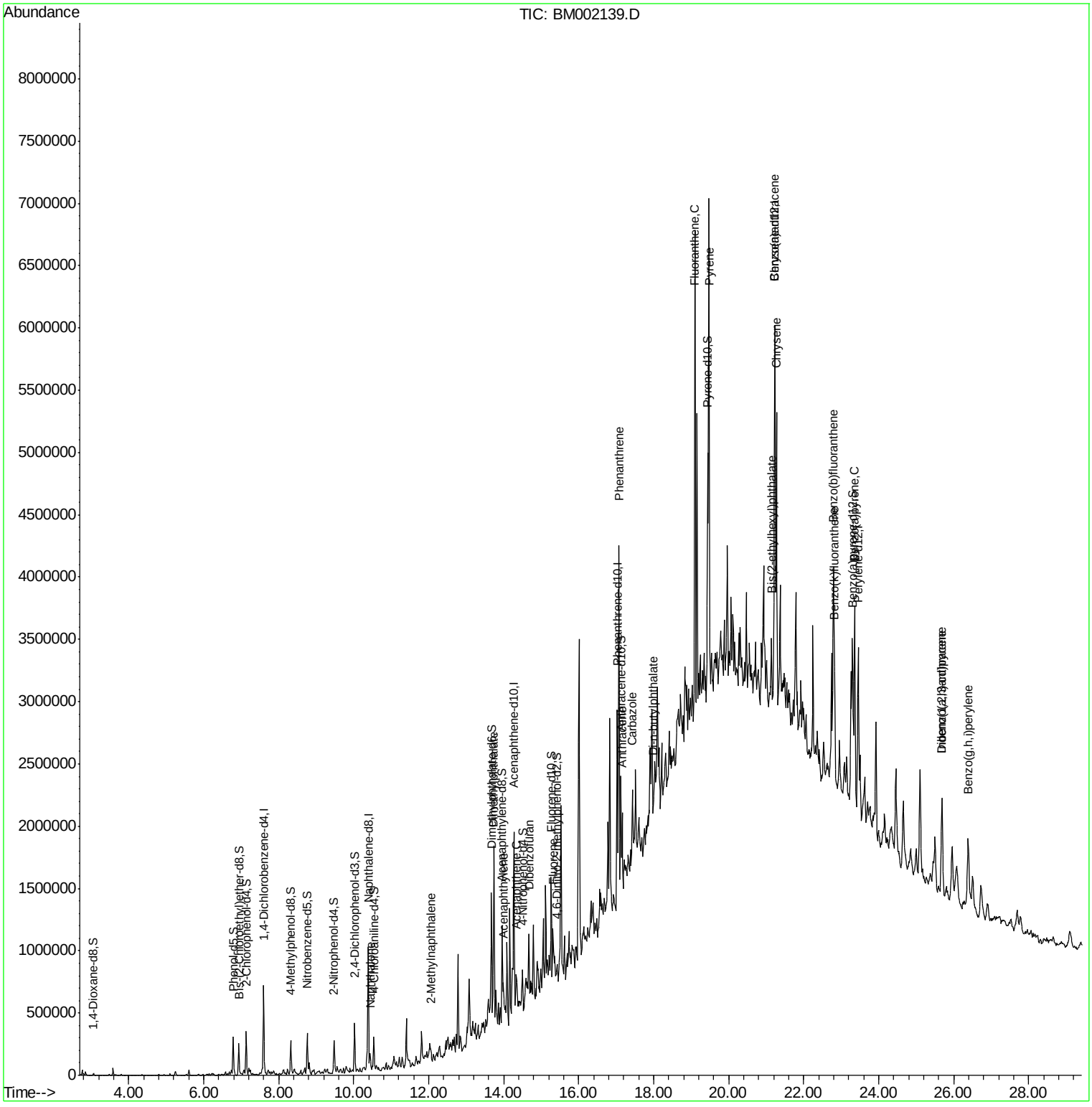
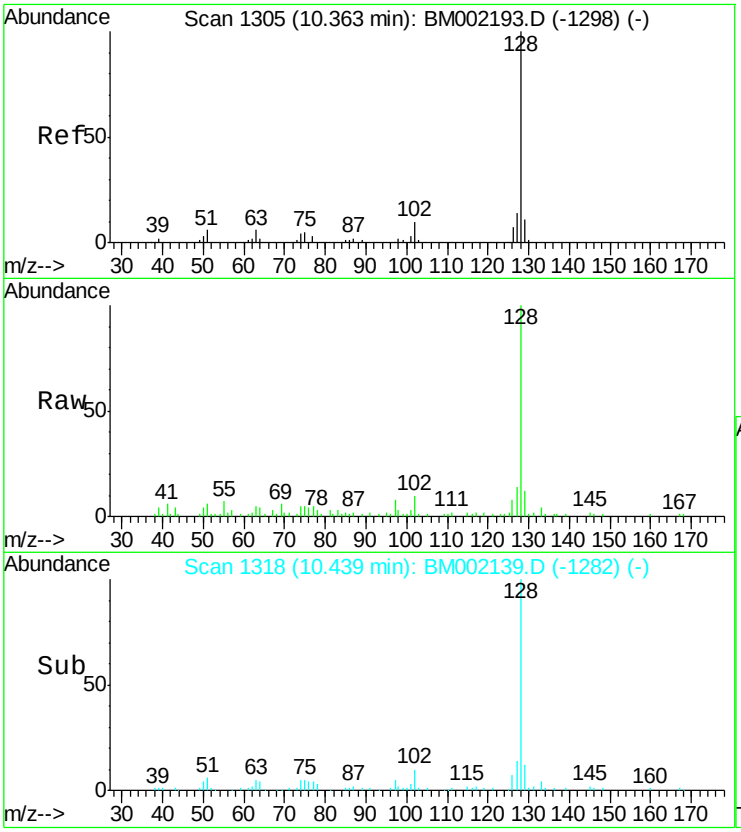
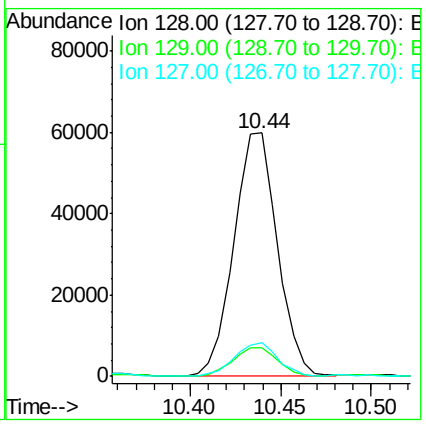




#28
Naphthalene
Concen: 2.65 ng/ul
RT: 10.44 min Scan# 1318
Delta R.T. 0.01 min
Lab File: BM002139.D
Acq: 30 Jul 2015 16:42

Tgt Ion:128 Resp: 100273

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.0	13.4
127	13.8	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
C01X0RE

Manual Integrations APPROVED
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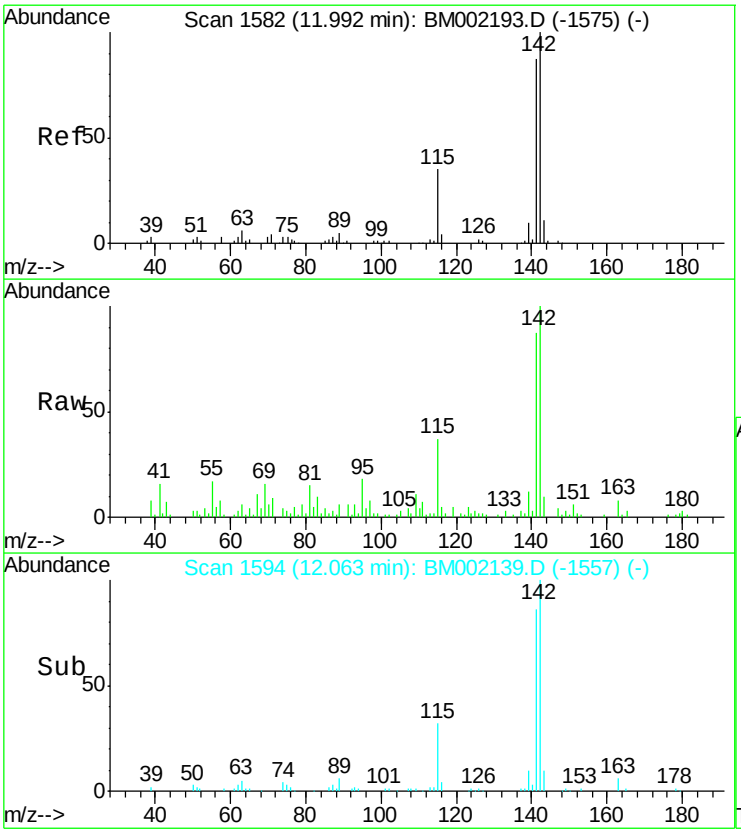
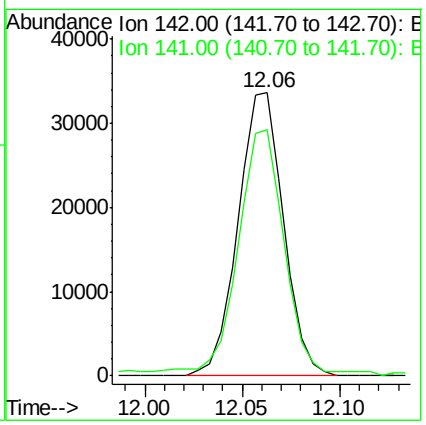
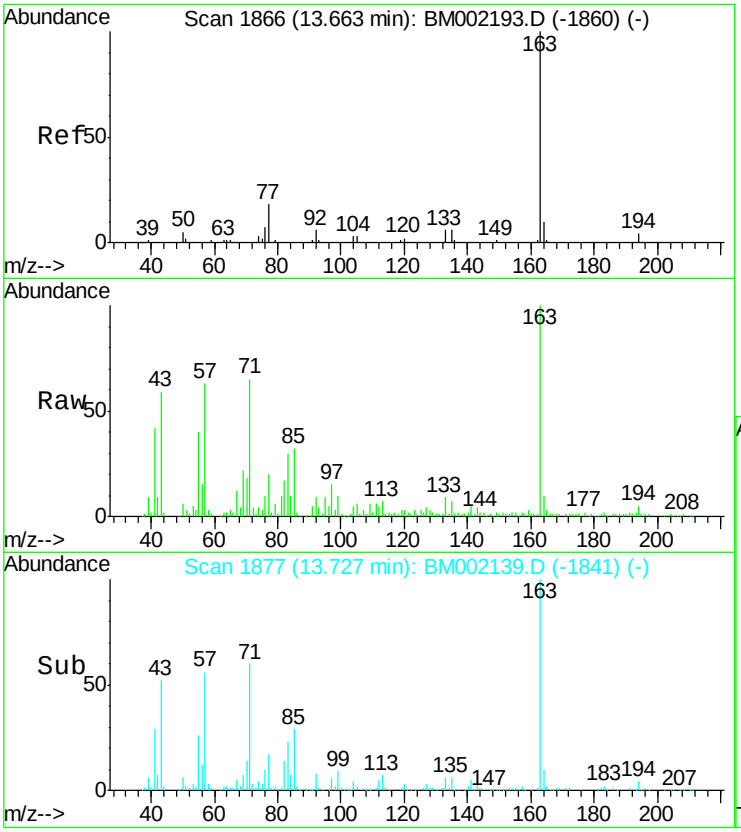


#34
2-Methylnaphthalene
Concen: 1.97 ng/ul
RT: 12.06 min Scan# 1594
Delta R.T. 0.02 min
Lab File: BM002139.D
Acq: 30 Jul 2015 16:42

Tgt Ion:142 Resp: 54173

Ion	Ratio	Lower	Upper
142	100		
141	87.2	69.8	104.6

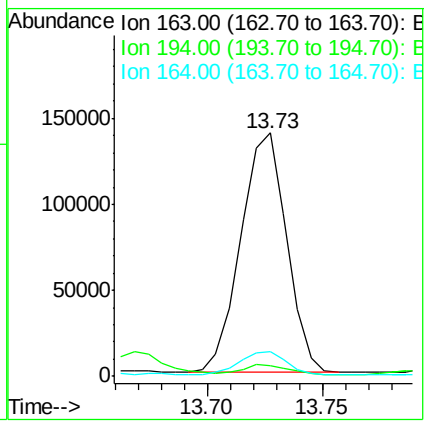




#45
Dimethylphthalate
Concen: 6.14 ng/ul
RT: 13.73 min Scan# 1877
Delta R.T. 0.01 min
Lab File: BM002139.D
Acq: 30 Jul 2015 16:42

Tgt Ion:163 Resp: 192728

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.5	5.3
164	10.1	8.0	12.0



Instrument :
BNA_M
ClientSampleId :
C01X0RE

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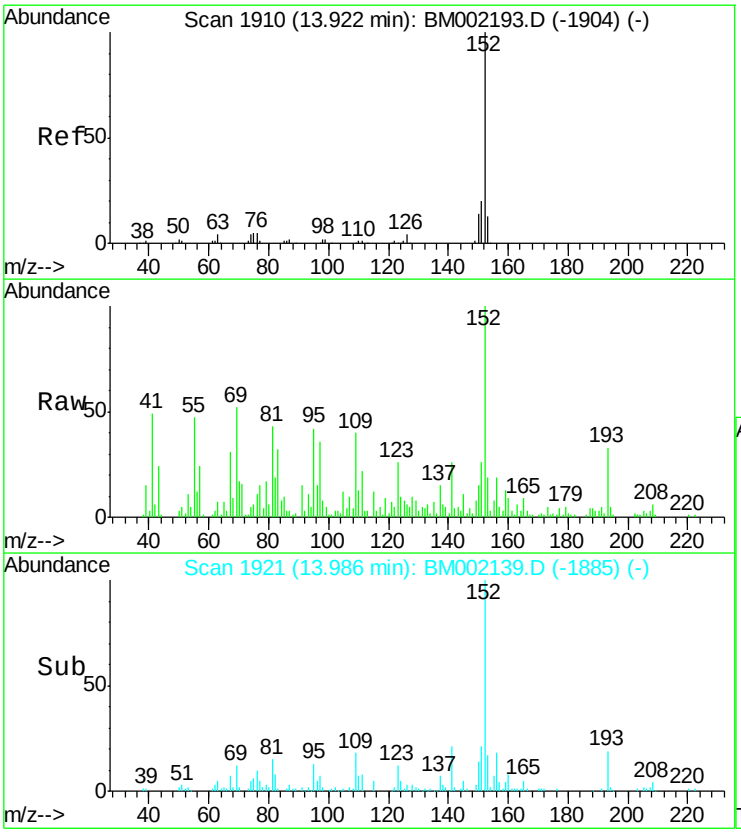
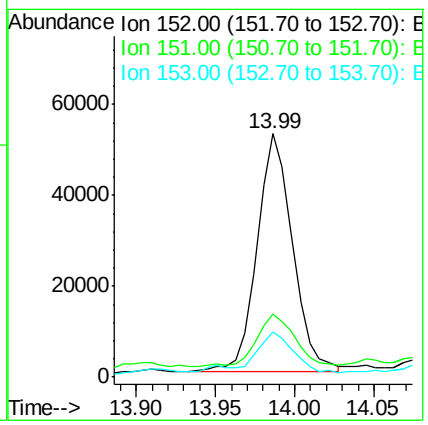
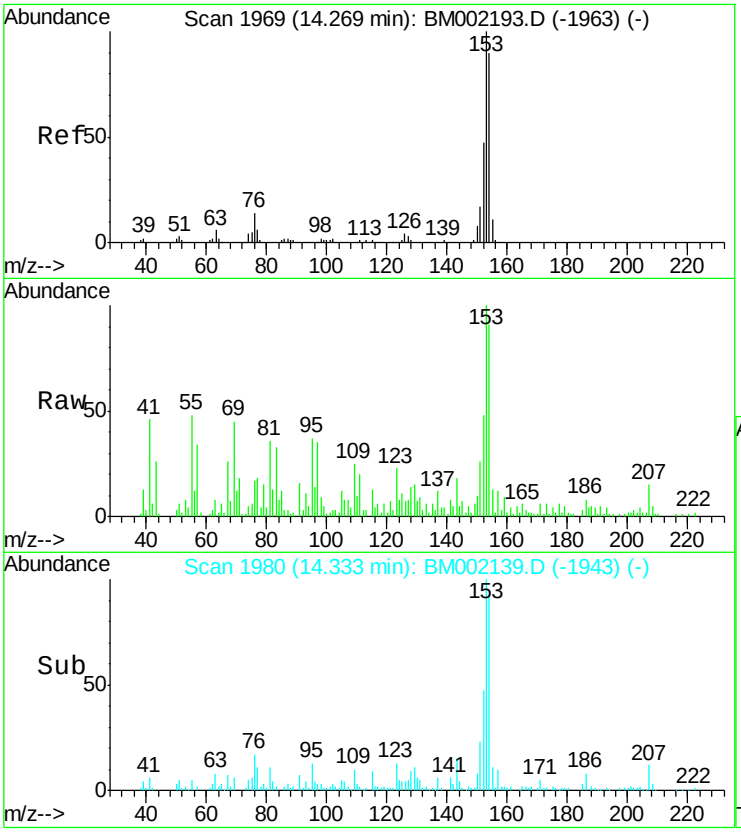


#48
Acenaphthylene
Concen: 2.03 ng/ul
RT: 13.99 min Scan# 1921
Delta R.T. 0.01 min
Lab File: BM002139.D
Acq: 30 Jul 2015 16:42

Tgt Ion:152 Resp: 82244

Ion	Ratio	Lower	Upper
152	100		
151	25.9	15.6	23.4#
153	18.6	10.3	15.5#

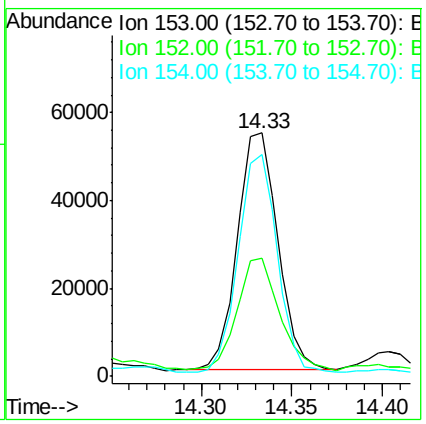




#50
Acenaphthene
Concen: 3.13 ng/ul
RT: 14.33 min Scan# 1980
Delta R.T. 0.02 min
Lab File: BM002139.D
Acq: 30 Jul 2015 16:42

Tgt Ion:153 Resp: 83124

Ion	Ratio	Lower	Upper
153	100		
152	48.4	37.3	55.9
154	91.3	71.4	107.2



Instrument :
BNA_M
ClientSampleId :
C01X0RE

Manual Integrations APPROVED
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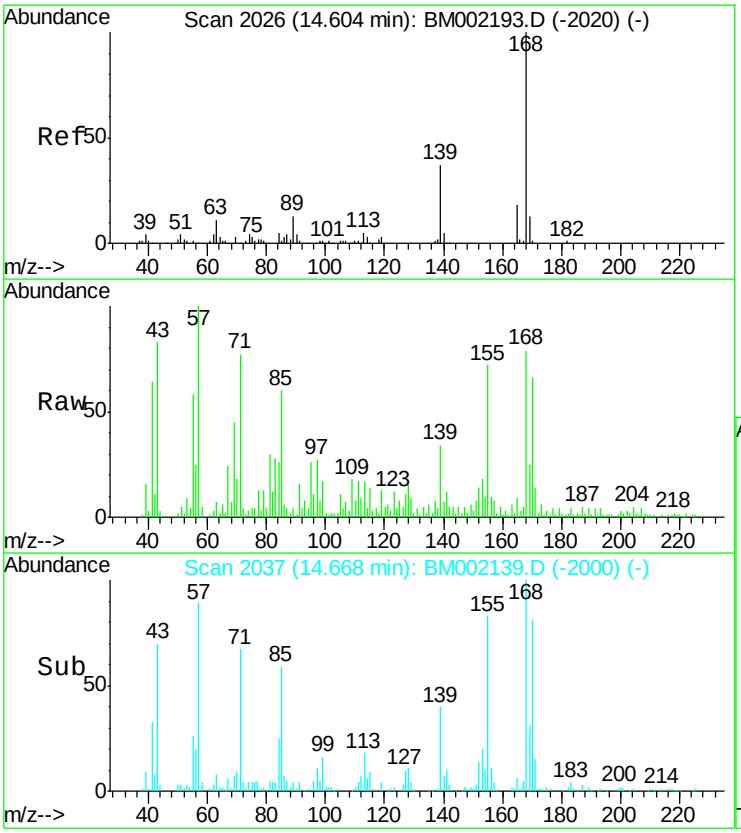
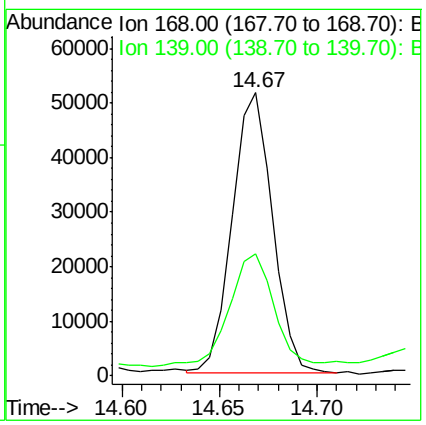
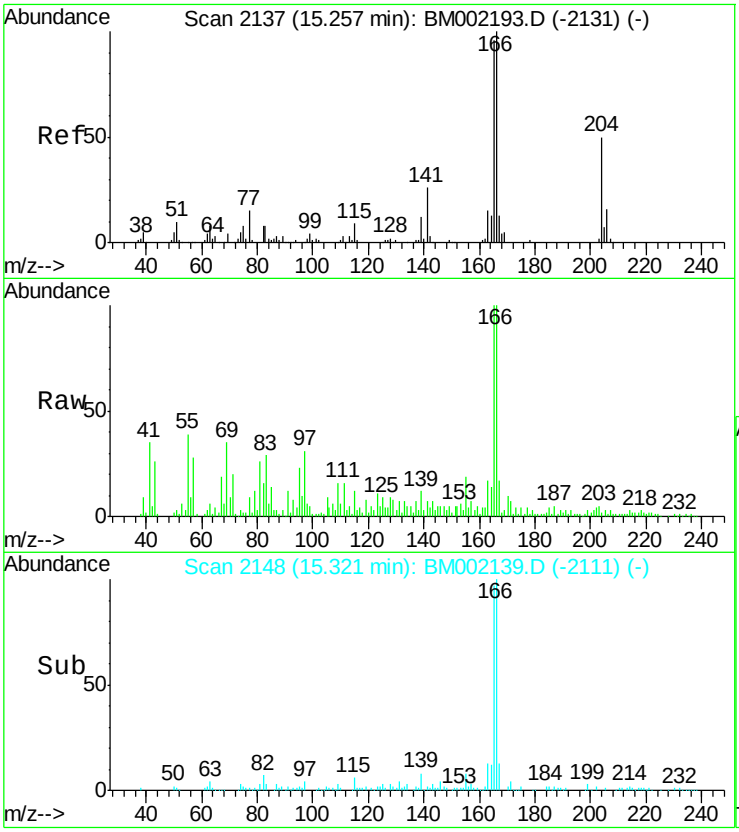


#54
Dibenzofuran
Concen: 1.93 ng/ul
RT: 14.67 min Scan# 2037
Delta R.T. 0.02 min
Lab File: BM002139.D
Acq: 30 Jul 2015 16:42

Tgt Ion:168 Resp: 73653

Ion	Ratio	Lower	Upper
168	100		
139	43.3	28.2	42.2#





#59
Fluorene
Concen: 4.29 ng/ul
RT: 15.32 min Scan# 2148
Delta R.T. 0.02 min
Lab File: BM002139.D
Acq: 30 Jul 2015 16:42

Instrument :
BNA_M
ClientSampleId :
C01X0RE

Manual Integrations APPROVED
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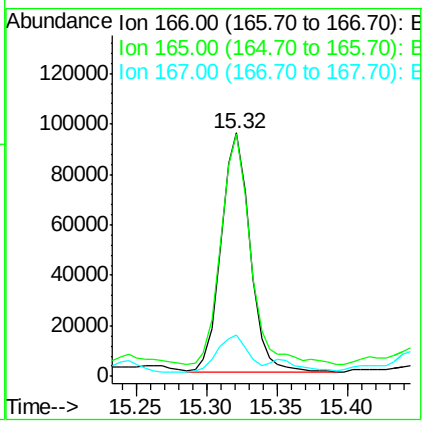
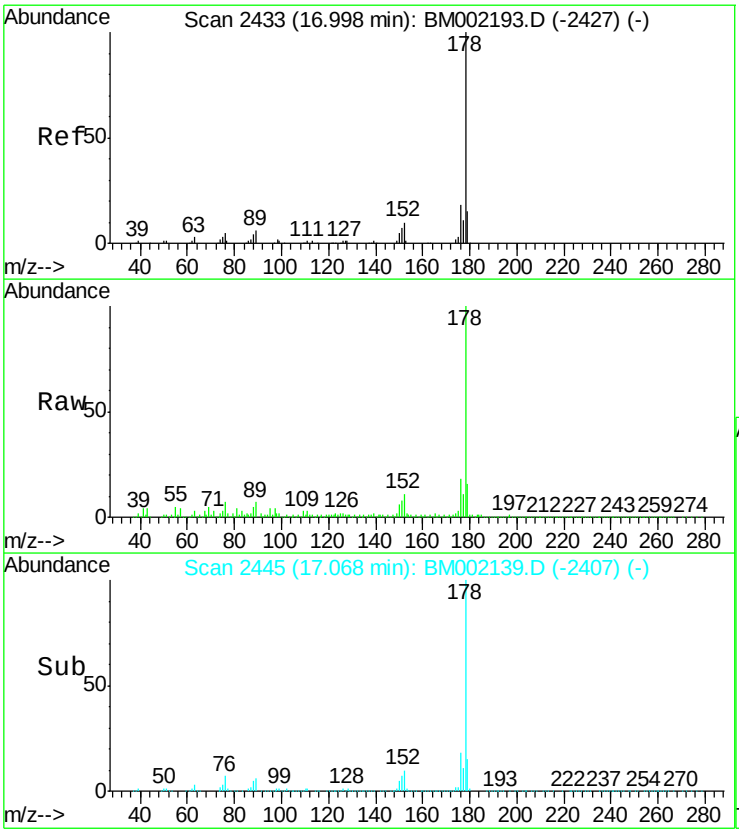
Tgt Ion:166 Resp: 135197

Ion	Ratio	Lower	Upper
166	100		
165	99.8	75.6	113.4
167	16.9	10.5	15.7#

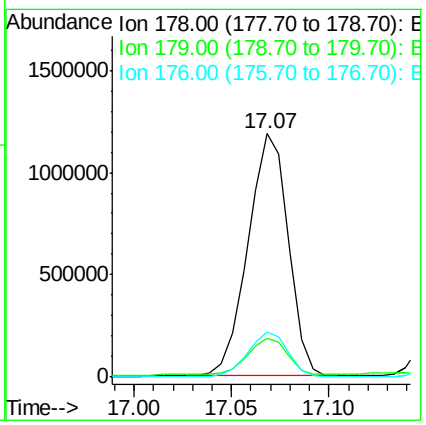


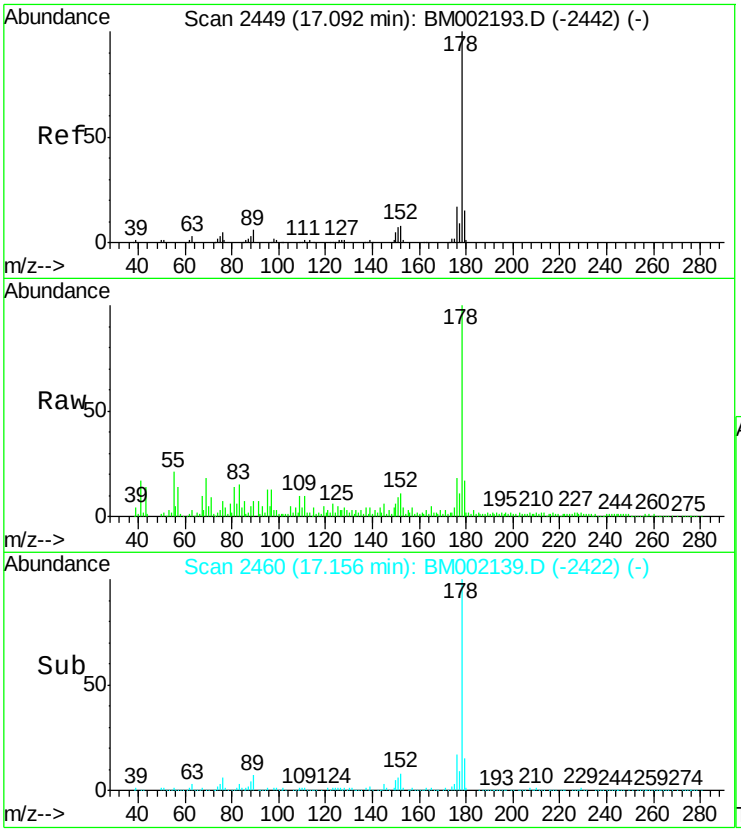


#70
Phenanthrene
Concen: 38.31 ng/ul
RT: 17.07 min Scan# 2445
Delta R.T. 0.02 min
Lab File: BM002139.D
Acq: 30 Jul 2015 16:42

Tgt Ion:178 Resp: 1688613

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.5	18.7
176	18.4	14.2	21.4





#72
Anthracene
Concen: 8.41 ng/ul
RT: 17.16 min Scan# 2460
Delta R.T. 0.02 min
Lab File: BM002139.D
Acq: 30 Jul 2015 16:42

Tgt Ion:178 Resp: 379039

Ion	Ratio	Lower	Upper
178	100		
179	17.1	12.1	18.1
176	17.7	14.1	21.1

Instrument :
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ClientSampleId :
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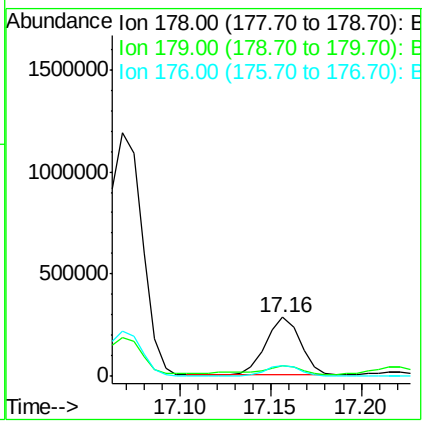
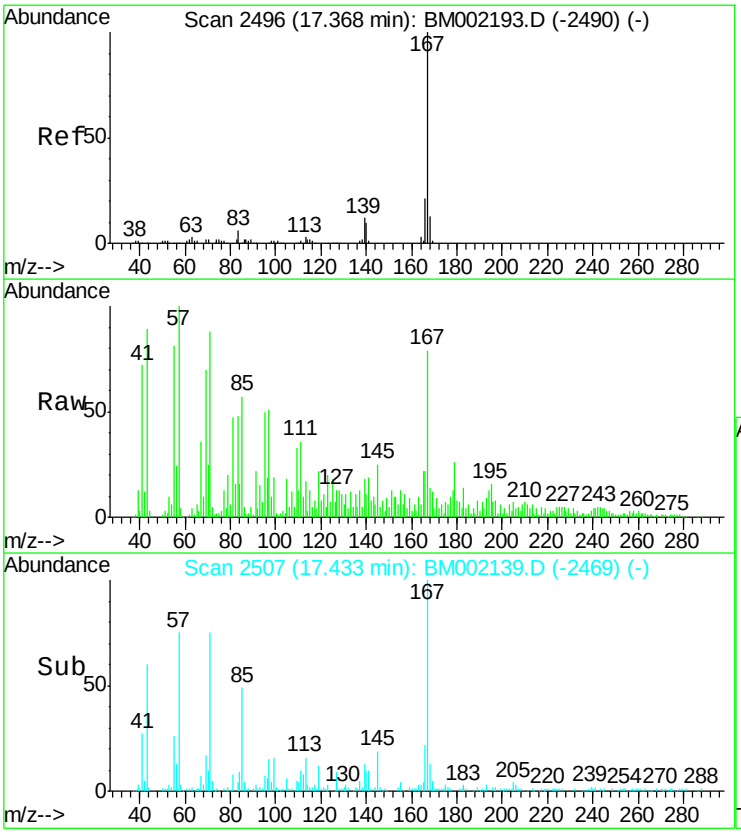
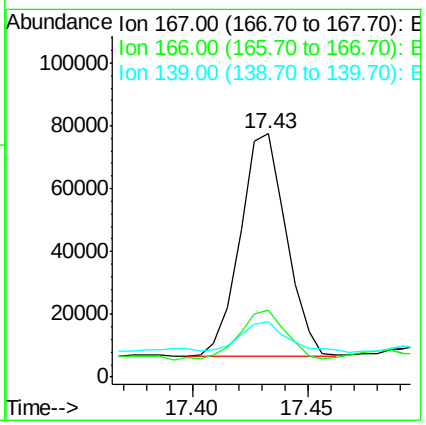


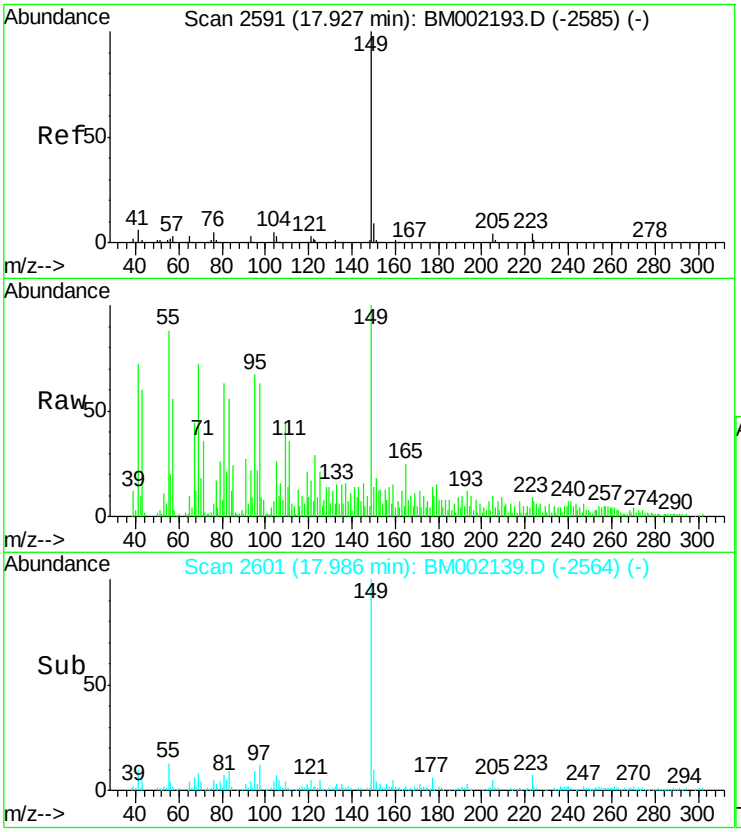


#75
Carbazole
Concen: 2.54 ng/ul
RT: 17.43 min Scan# 2507
Delta R.T. 0.02 min
Lab File: BM002139.D
Acq: 30 Jul 2015 16:42

Tgt Ion:167 Resp: 97938

Ion	Ratio	Lower	Upper
167	100		
166	27.5	16.2	24.4#
139	22.6	9.6	14.4#





#76
Di-n-butylphthalate
Concen: 2.23 ng/ul
RT: 17.99 min Scan# 2601
Delta R.T. 0.02 min
Lab File: BM002139.D
Acq: 30 Jul 2015 16:42

Tgt Ion:149 Resp: 102252

Ion	Ratio	Lower	Upper
149	100		
150	14.5	7.0	10.4#
104	7.1	4.2	6.2#

Instrument :
BNA_M
ClientSampleId :
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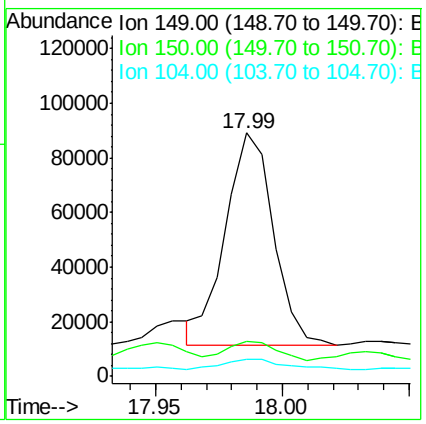
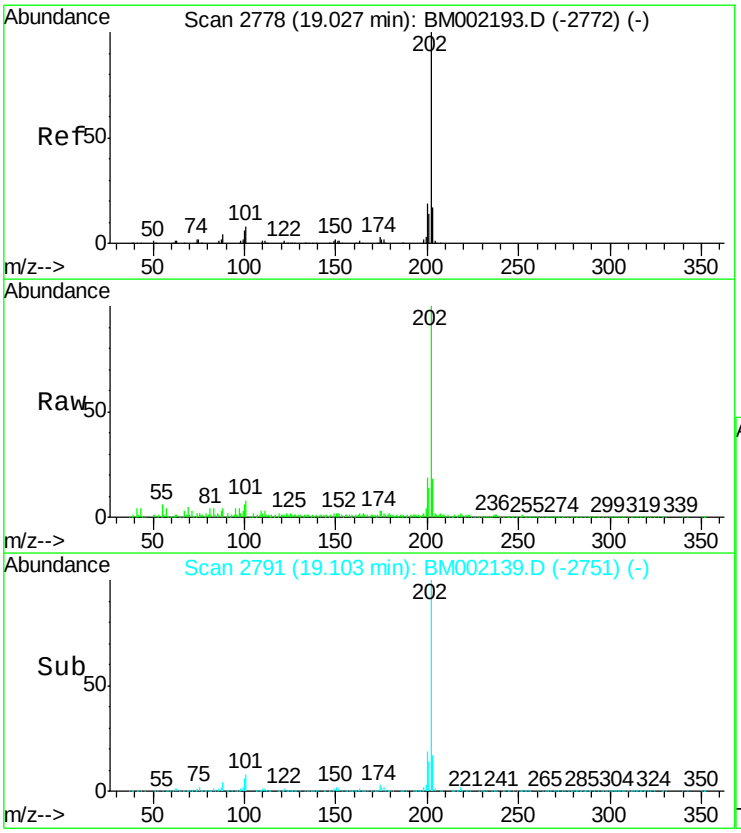
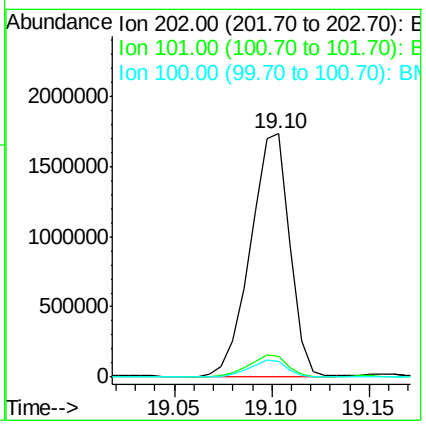


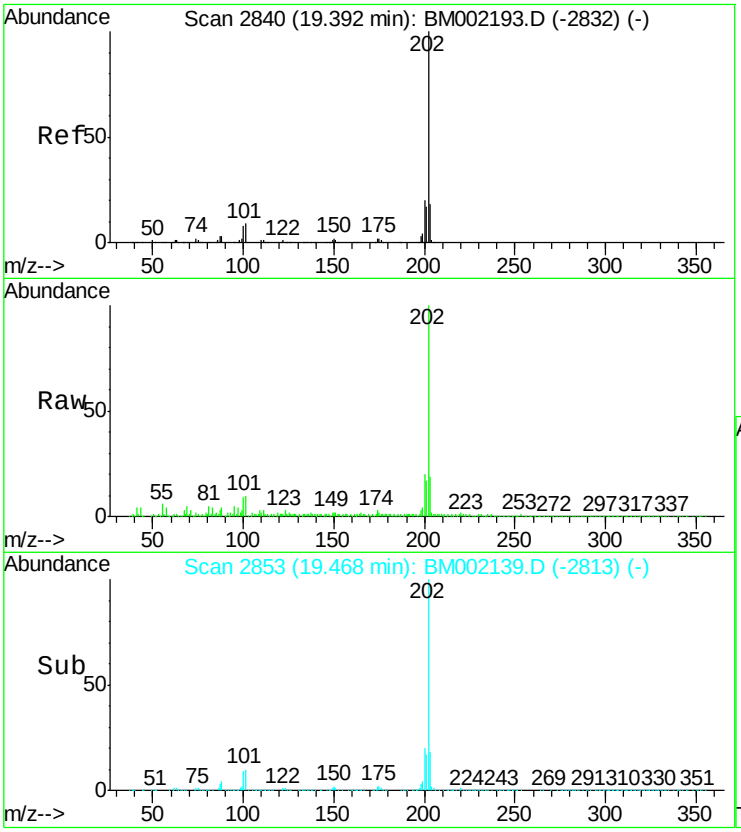


#77
Fluoranthene
Concen: 47.11 ng/ul
RT: 19.10 min Scan# 2791
Delta R.T. 0.04 min
Lab File: BM002139.D
Acq: 30 Jul 2015 16:42

Tgt Ion:202 Resp: 2397411

Ion	Ratio	Lower	Upper
202	100		
101	8.3	6.2	9.4
100	6.4	5.2	7.8

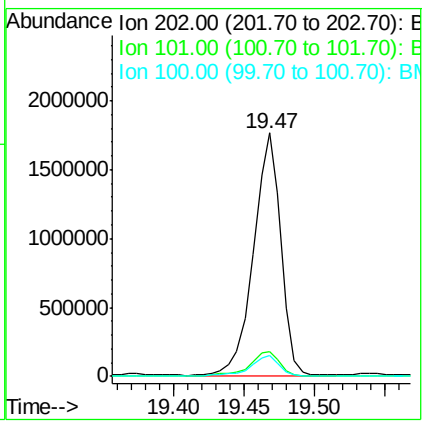




#80
Pyrene
Concen: 44.47 ng/ul
RT: 19.47 min Scan# 2853
Delta R.T. 0.04 min
Lab File: BM002139.D
Acq: 30 Jul 2015 16:42

Tgt Ion:202 Resp: 2392513

Ion	Ratio	Lower	Upper
202	100		
101	10.3	7.4	11.2
100	8.6	6.3	9.5



Instrument :
BNA_M
ClientSampleId :
C01X0RE

Manual Integrations APPROVED
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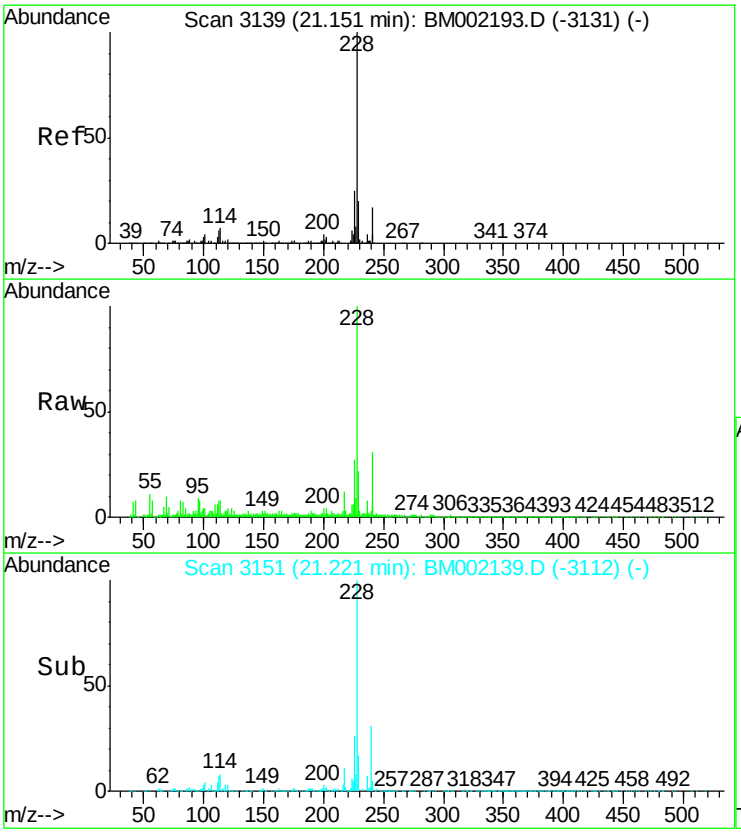
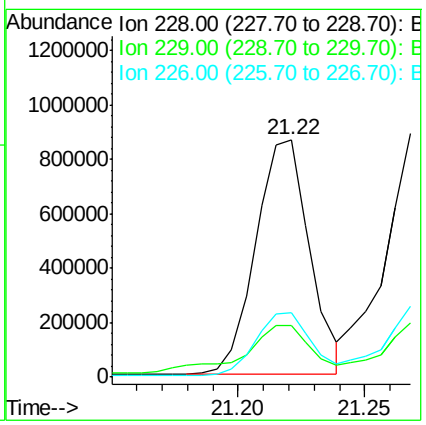
8/10/2015 10:20:22 AM

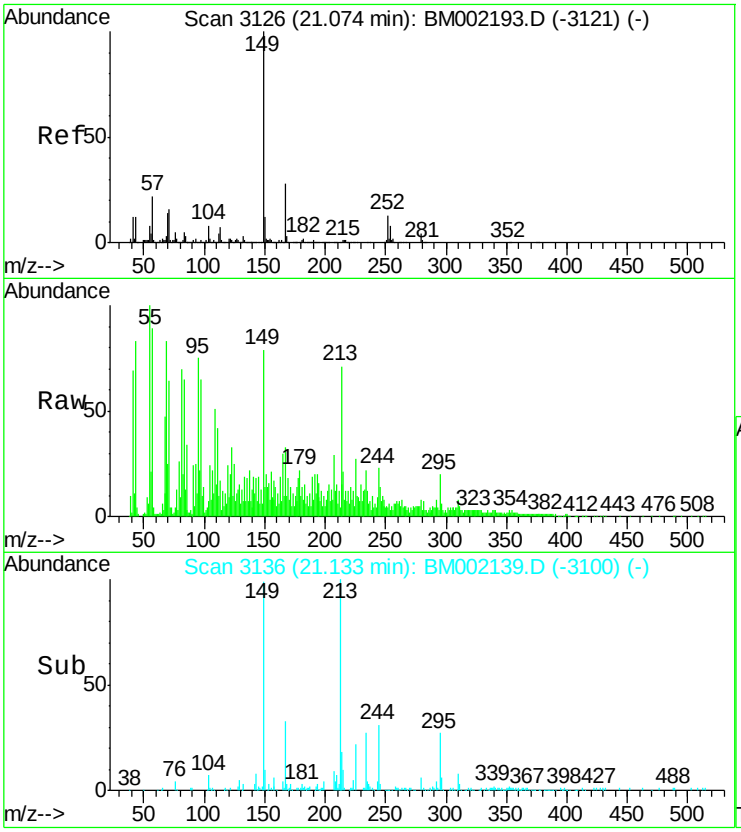


#83
Benzo(a)anthracene
Concen: 23.22 ng/ul
RT: 21.22 min Scan# 3151
Delta R.T. 0.03 min
Lab File: BM002139.D
Acq: 30 Jul 2015 16:42

Tgt Ion:228 Resp: 1272495

Ion	Ratio	Lower	Upper
228	100		
229	21.5	15.4	23.2
226	26.9	20.5	30.7





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.15 ng/ul
RT: 21.13 min Scan# 3136
Delta R.T. 0.01 min
Lab File: BM002139.D
Acq: 30 Jul 2015 16:42

Tgt Ion:149 Resp: 67791

Ion	Ratio	Lower	Upper
149	100		
167	41.3	23.6	35.4#
279	9.7	4.2	6.4#

Instrument :
BNA_M
ClientSampleId :
C01X0RE

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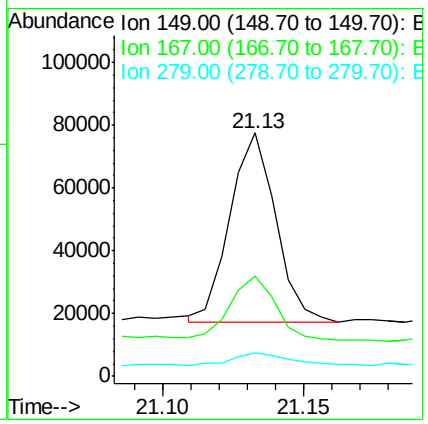
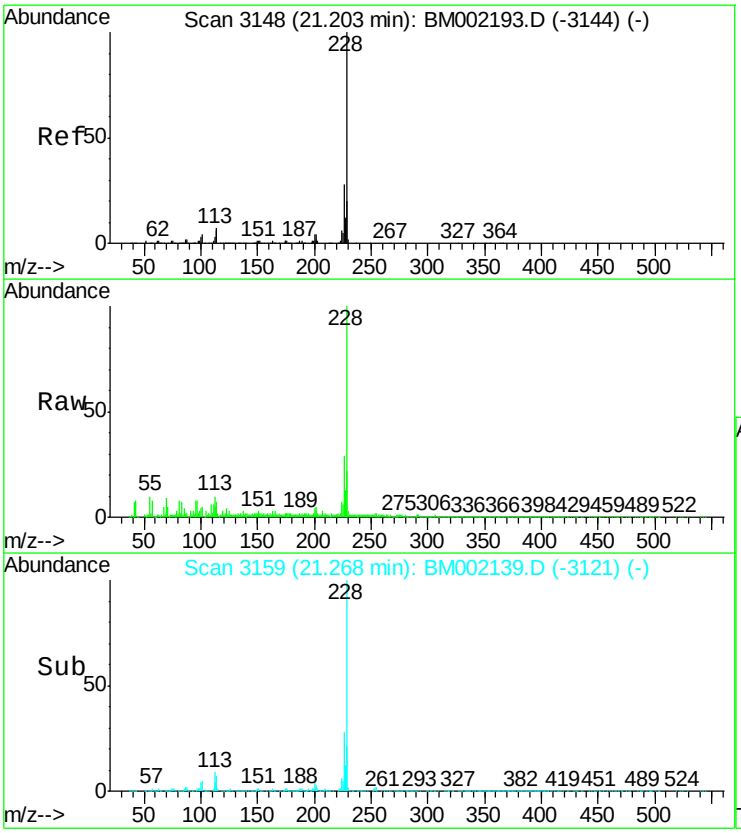
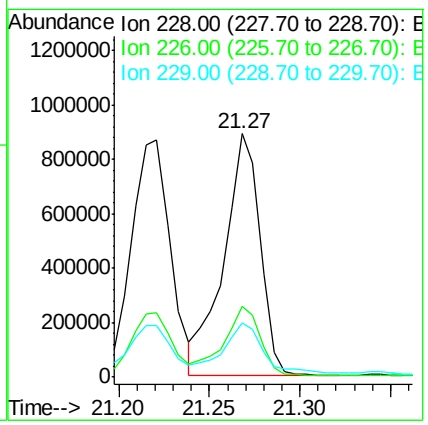


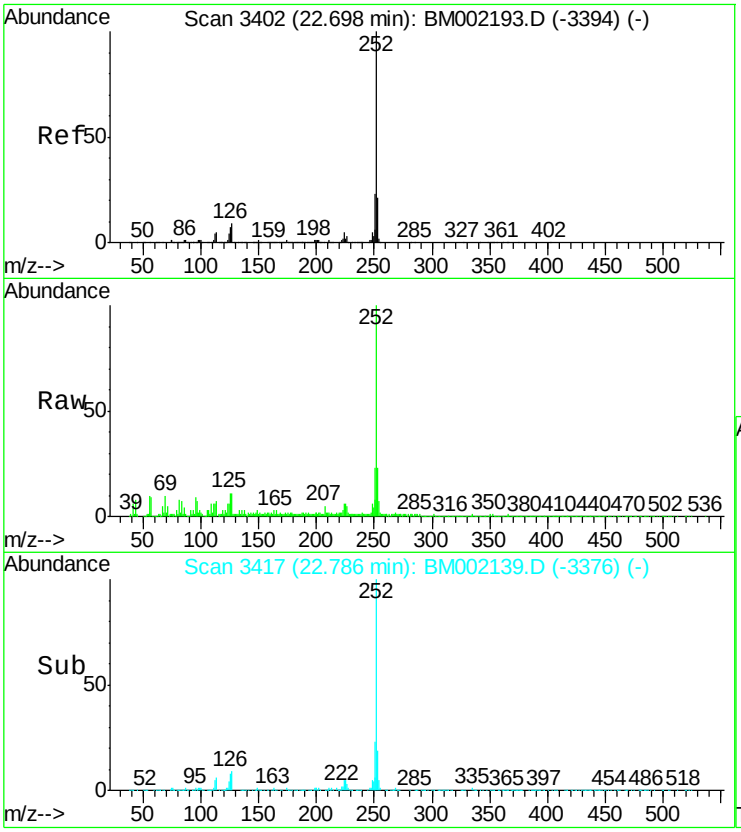


#85
Chrysene
Concen: 24.12 ng/ul
RT: 21.27 min Scan# 3159
Delta R.T. 0.02 min
Lab File: BM002139.D
Acq: 30 Jul 2015 16:42

Tgt Ion:228 Resp: 1237053

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.3	33.5
229	22.5	15.5	23.3





#88
Benzo(b)fluoranthene
Concen: 28.25 ng/ul
RT: 22.79 min Scan# 3417
Delta R.T. 0.04 min
Lab File: BM002139.D
Acq: 30 Jul 2015 16:42

Tgt Ion:252 Resp: 1548109

Ion	Ratio	Lower	Upper
252	100		
253	23.4	16.9	25.3
125	11.0	6.2	9.2#

Instrument :
BNA_M
ClientSampleId :
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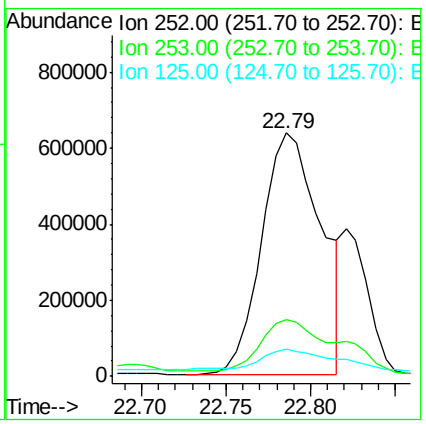
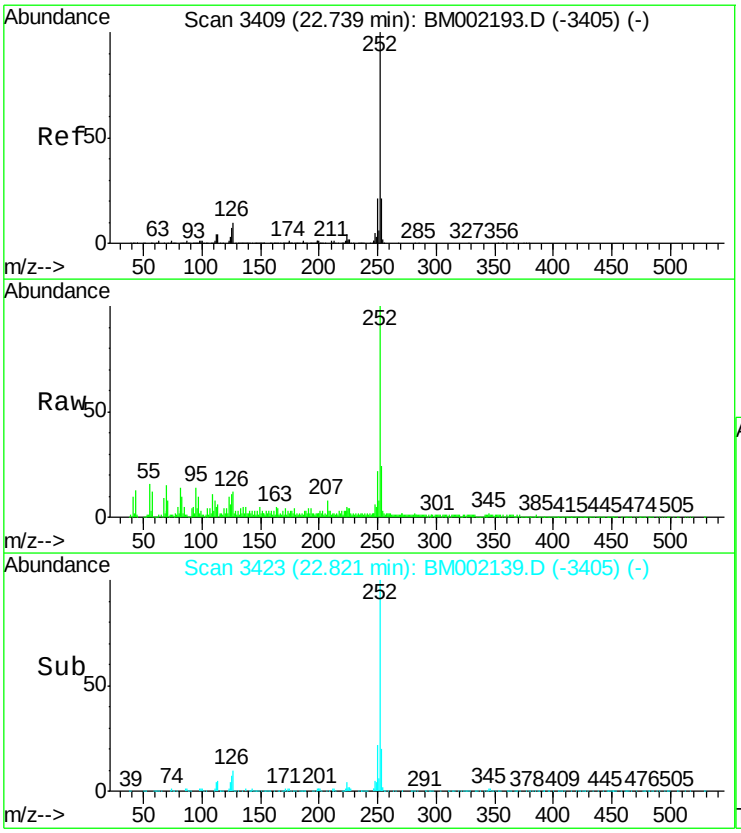
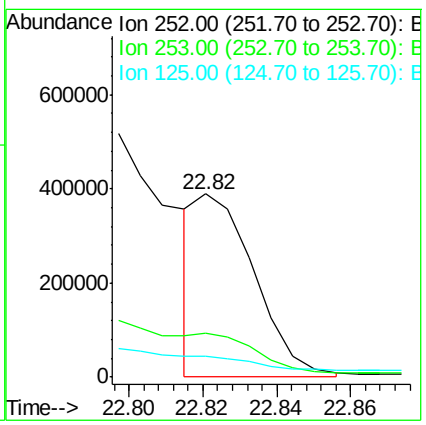


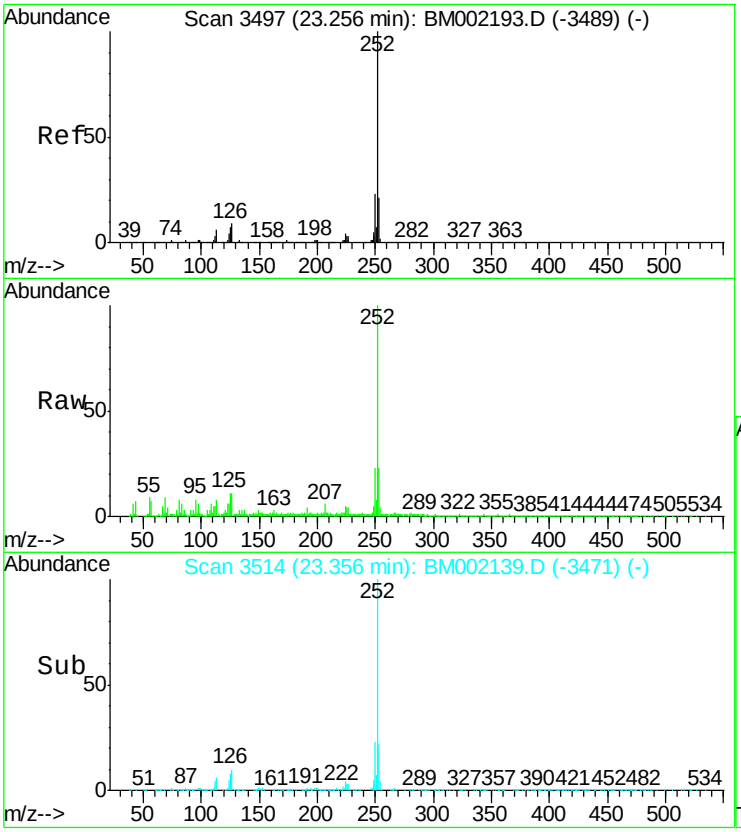


#89
Benzo(k)fluoranthene
Concen: 7.96 ng/ul m
RT: 22.82 min Scan# 3423
Delta R.T. 0.04 min
Lab File: BM002139.D
Acq: 30 Jul 2015 16:42

Tgt Ion:252 Resp: 420979

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.0
125	11.3	6.2	9.4#

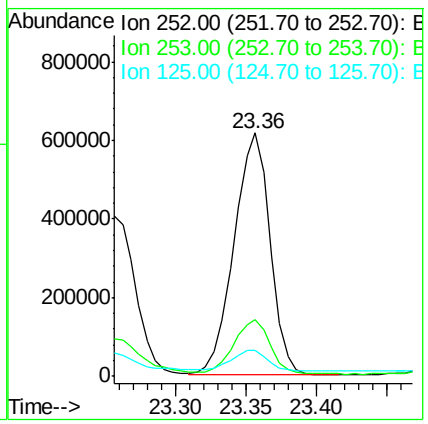




#91
Benzo(a)pyrene
Concen: 20.66 ng/ul
RT: 23.36 min Scan# 3514
Delta R.T. 0.05 min
Lab File: BM002139.D
Acq: 30 Jul 2015 16:42

Tgt Ion:252 Resp: 1092919

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	10.8	6.6	10.0#



Instrument :
BNA_M
ClientSampleId :
C01X0RE

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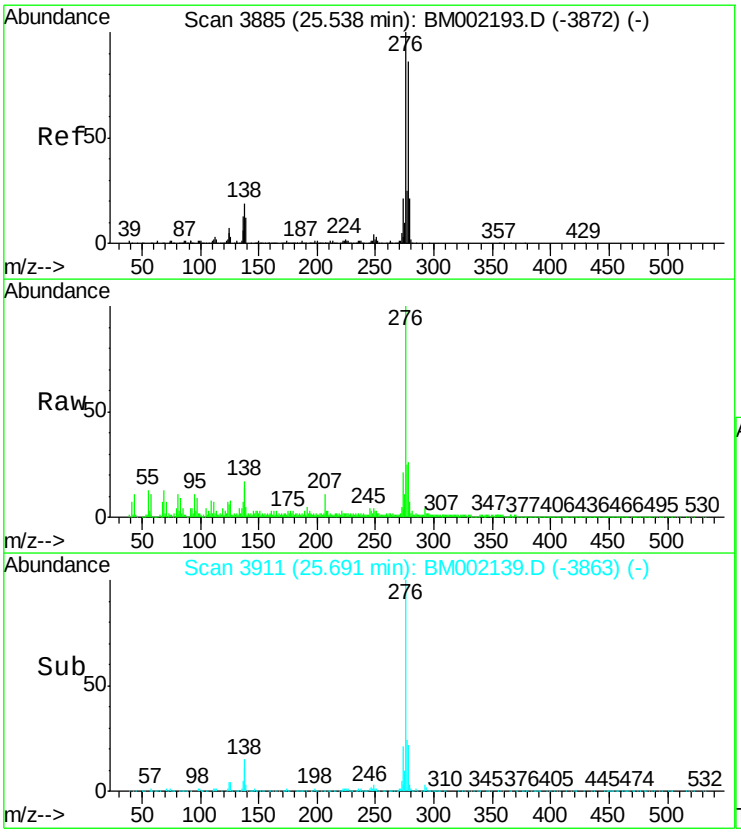
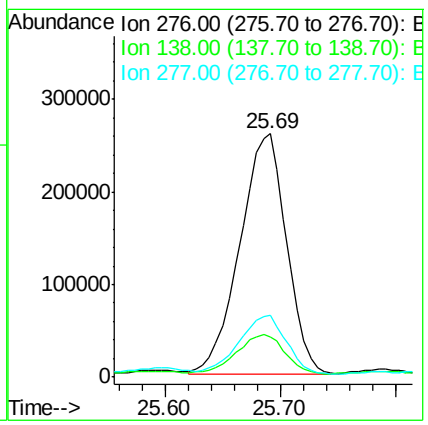
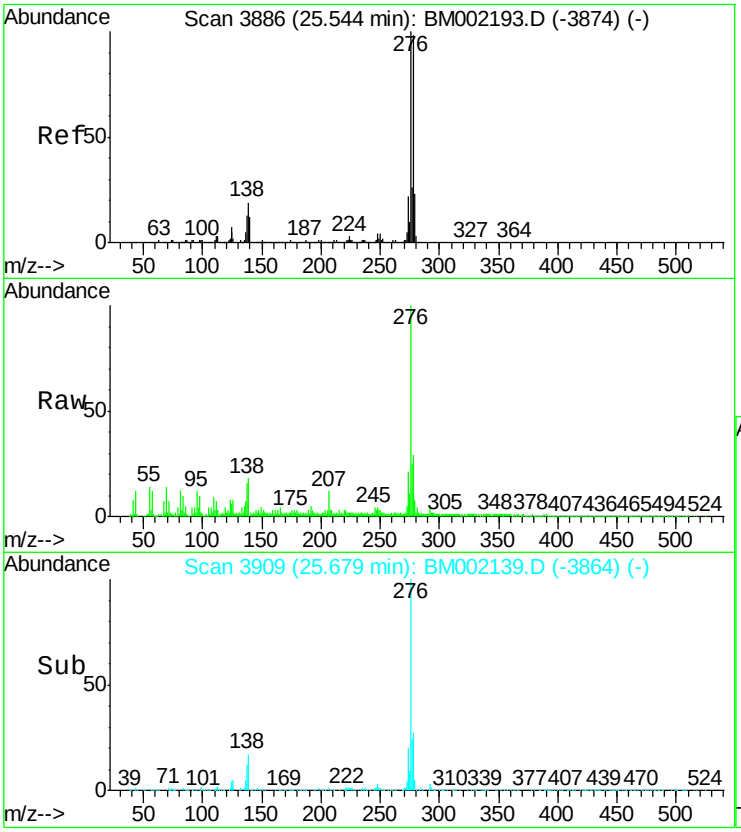


#92
Indeno(1,2,3-cd)pyrene
Concen: 11.91 ng/ul
RT: 25.69 min Scan# 3911
Delta R.T. 0.08 min
Lab File: BM002139.D
Acq: 30 Jul 2015 16:42

Tgt Ion:276 Resp: 725653

Ion	Ratio	Lower	Upper
276	100		
138	16.7	16.2	24.2
277	25.2	19.8	29.8

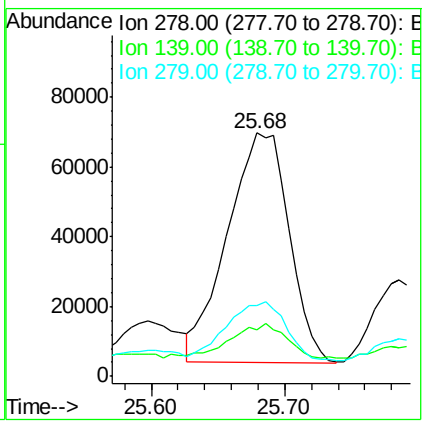




#93
Dibenzo(a,h)anthracene
Concen: 4.06 ng/ul
RT: 25.68 min Scan# 3909
Delta R.T. 0.06 min
Lab File: BM002139.D
Acq: 30 Jul 2015 16:42

Tgt Ion:278 Resp: 211635

Ion	Ratio	Lower	Upper
278	100		
139	19.3	10.6	16.0#
279	29.2	18.5	27.7#



Instrument :
BNA_M
ClientSampleId :
C01X0RE

Manual Integrations APPROVED
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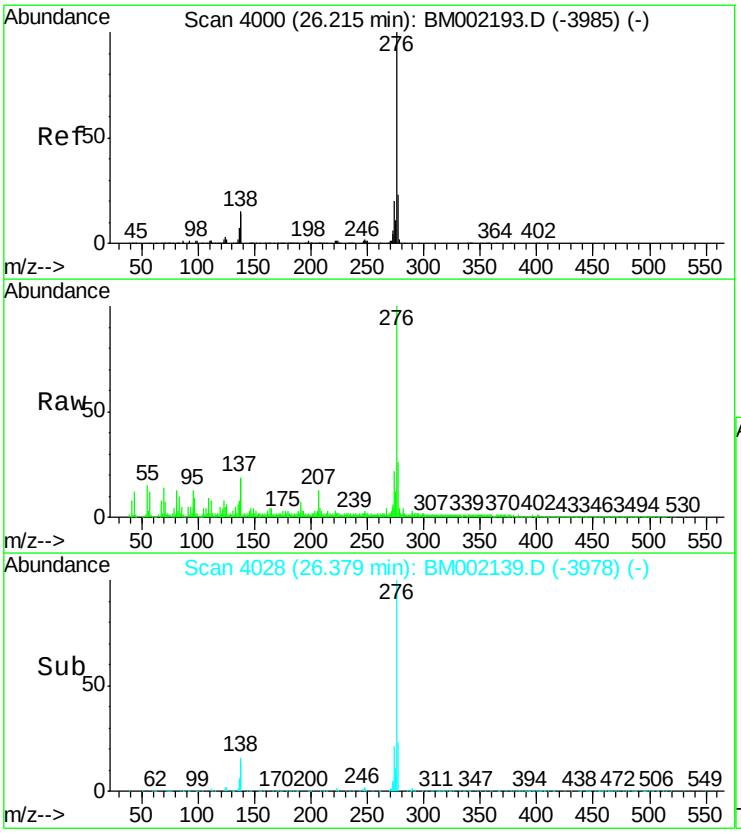

#94
Benzo(g,h,i)perylene
Concen: 13.12 ng/ul
RT: 26.38 min Scan# 4028
Delta R.T. 0.09 min
Lab File: BM002139.D
Acq: 30 Jul 2015 16:42

Tgt Ion:276 Resp: 670164

Ion	Ratio	Lower	Upper
276	100		
138	17.6	13.8	20.6
277	25.7	18.2	27.2