

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
 Data File : BM002199.D
 Acq On : 03 Aug 2015 16:07
 Operator : TP/UM
 Sample : G3095-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01Q6

Quant Time: Aug 04 02:35:52 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 04 02:31:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	108450	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	457697	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.21	164	285106	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.97	188	652279	20.00	ng/ul	0.01
78) Chrysene-d12	21.18	240	601953	20.00	ng/ul	0.01
86) Perylene-d12	23.39	264	590183	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.98	96	2291	1.09	ng/uL	0.00
5) Phenol-d5	6.72	99	67637	8.72	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	35810	8.35	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	58522	8.90	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	56502	9.17	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	28374	8.72	ng/ul	0.00
22) 2-Nitrophenol-d4	9.41	143	32744	9.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.96	165	64775	9.30	ng/ul	0.00
29) 4-Chloroaniline-d4	10.47	131	39560	5.17	ng/ul	0.00
44) Dimethylphthalate-d6	13.62	166	191229	9.16	ng/ul	0.00
47) Acenaphthylene-d8	13.90	160	239443	9.17	ng/ul	0.00
52) 4-Nitrophenol-d4	14.46	143	16994	4.88	ng/ul	0.01
58) Fluorene-d10	15.21	176	176456	9.60	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.36	200	3759	0.94	ng/ul	0.01
71) Anthracene-d10	17.06	188	268866	9.23	ng/ul	0.00
79) Pyrene-d10	19.37	212	278879	11.00	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.24	264	261506	9.14	ng/ul	0.04

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
24) 2,4-Dimethylphenol	9.55	107	10829	1.40	ng/ul	97
32) Caprolactam	11.33	113	2599	1.38	ng/ul#	1
34) 2-Methylnaphthalene	12.00	142	24181	1.53	ng/ul	99
35) 1-Methylnaphthalene	12.00	142	24181	1.59	ng/ul	95
45) Dimethylphthalate	13.67	163	77607	3.72	ng/ul	97
48) Acenaphthylene	13.93	152	96625	3.59	ng/ul	95
50) Acenaphthene	14.27	153	35614	2.02	ng/ul	99
54) Dibenzofuran	14.61	168	31824	1.26	ng/ul	90
59) Fluorene	15.26	166	49582	2.37	ng/ul#	94
70) Phenanthrene	17.01	178	982865	29.09	ng/ul	99
72) Anthracene	17.10	178	216076	6.26	ng/ul	100
75) Carbazole	17.37	167	50324	1.71	ng/ul#	90
77) Fluoranthene	19.04	202	1594127	40.86	ng/ul	99
80) Pyrene	19.41	202	1715794	52.38	ng/ul	100
83) Benzo(a)anthracene	21.17	228	705936	21.16	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.09	149	272952	14.25	ng/ul	100
85) Chrysene	21.22	228	705586	22.60	ng/ul	97
88) Benzo(b)fluoranthene	22.73	252	889309	26.82	ng/ul#	95
89) Benzo(k)fluoranthene	22.73	252	209157	6.54	ng/ul#	96
91) Benzo(a)pyrene	23.29	252	595989	18.62	ng/ul#	95
92) Indeno(1,2,3-cd)pyrene	25.59	276	390594	10.59	ng/ul#	95
93) Dibenzo(a,h)anthracene	25.58	278	110928	3.51	ng/ul#	85
94) Benzo(g,h,i)perylene	26.26	276	370575	11.98	ng/ul	98

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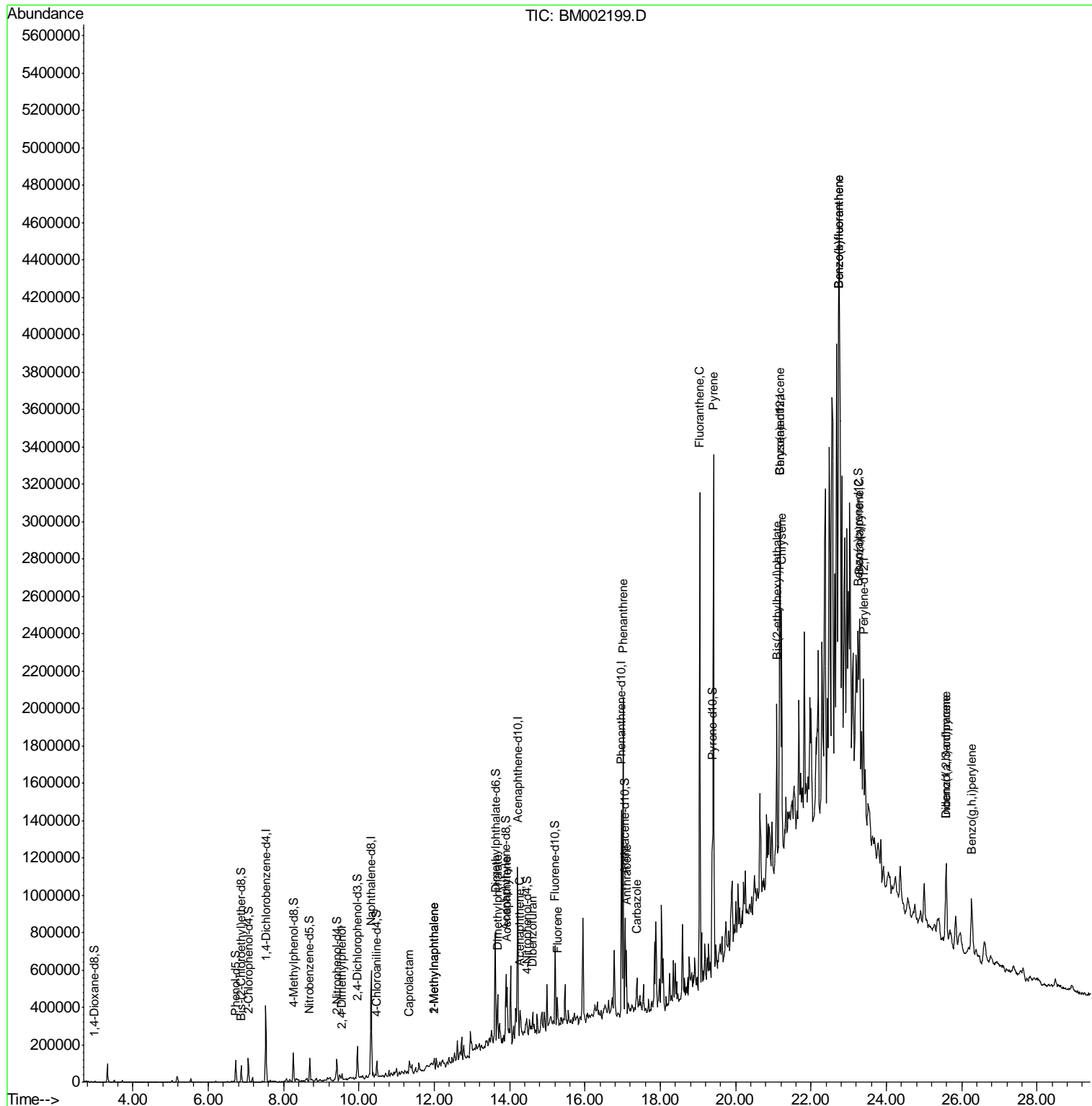
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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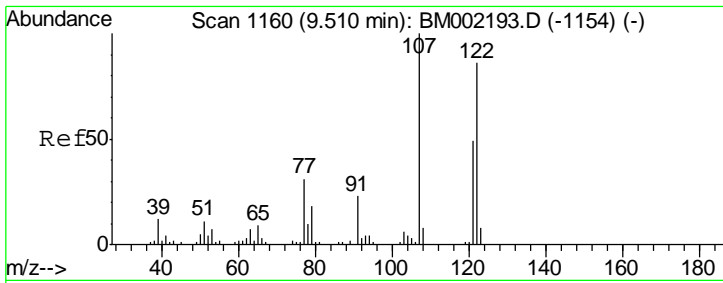
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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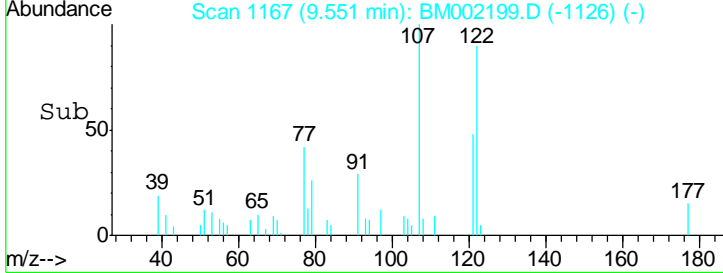
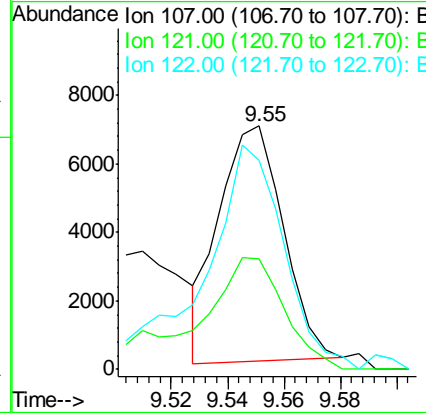
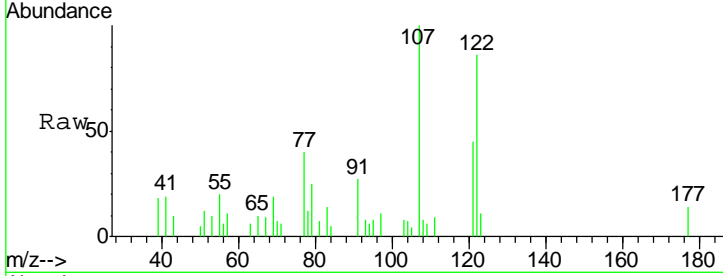




#24
 2,4-Dimethylphenol
 Concen: 1.40 ng/ul
 RT: 9.55 min Scan# 1167
 Delta R.T. 0.04 min
 Lab File: BM002199.D
 Acq: 03 Aug 2015 16:07

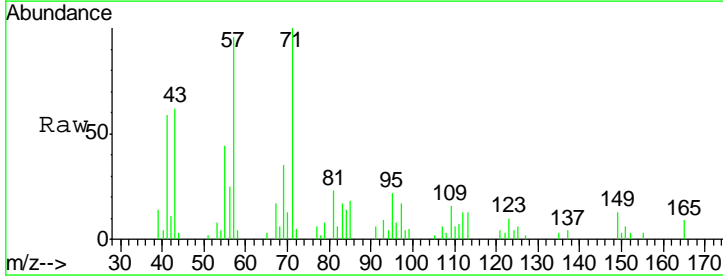
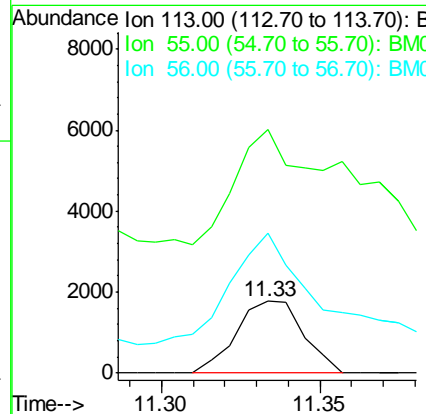
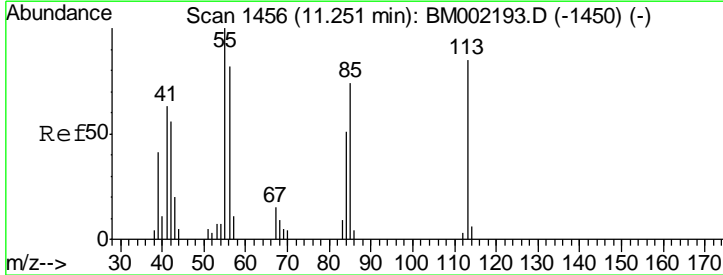
Instrument :
 BNA_M
ClientSampled :
 C01Q6

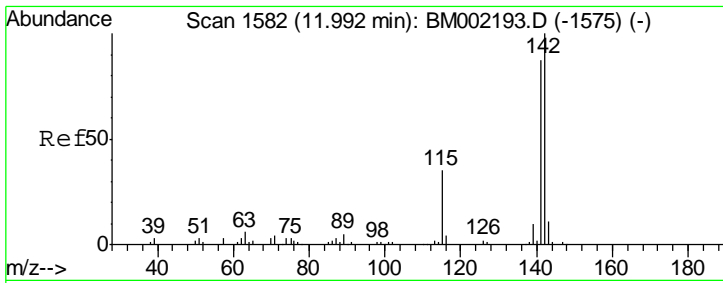
Tgt Ion	Resp	Lower	Upper
107	10829		
121	45.4	39.5	59.3
122	85.6	69.4	104.0



#32
 Caprolactam
 Concen: 1.38 ng/ul
 RT: 11.33 min Scan# 1470
 Delta R.T. 0.08 min
 Lab File: BM002199.D
 Acq: 03 Aug 2015 16:07

Tgt Ion	Resp	Lower	Upper
113	2599		
55	340.6	101.0	151.6#
56	195.8	79.0	118.6#

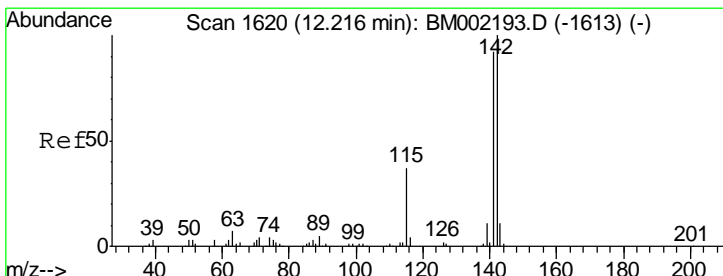
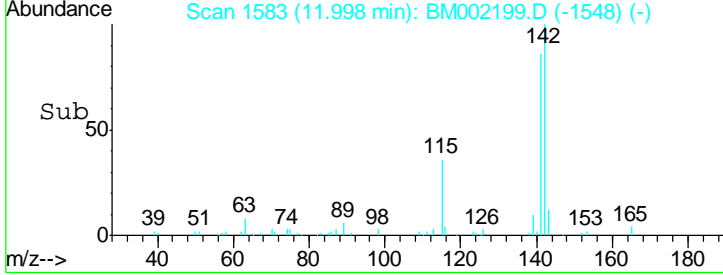
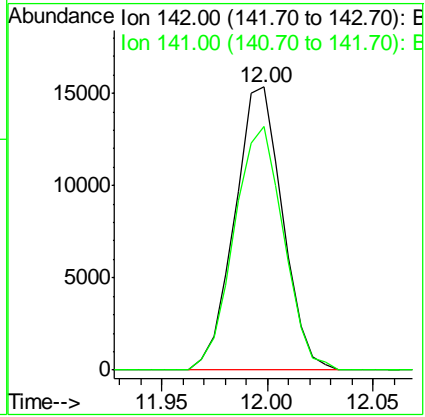
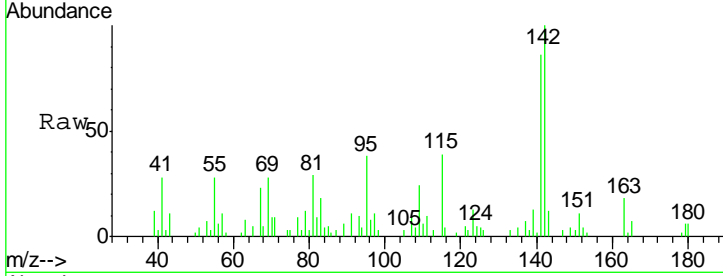




#34
 2-Methylnaphthalene
 Concen: 1.53 ng/ul
 RT: 12.00 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: BM002199.D
 Acq: 03 Aug 2015 16:07

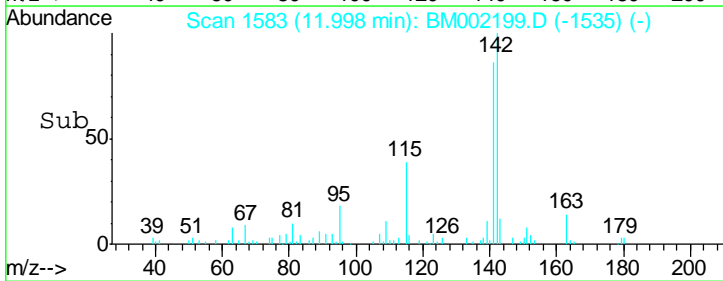
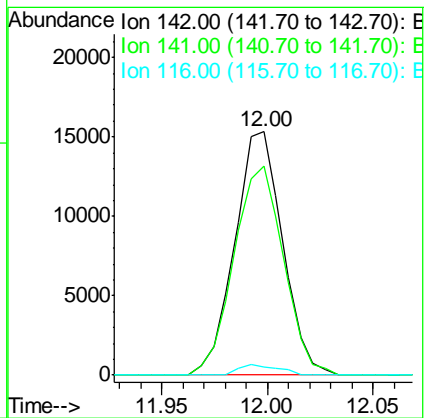
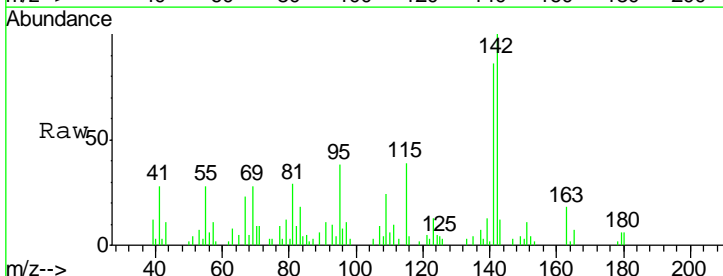
Instrument :
 BNA_M
 ClientSampled :
 C01Q6

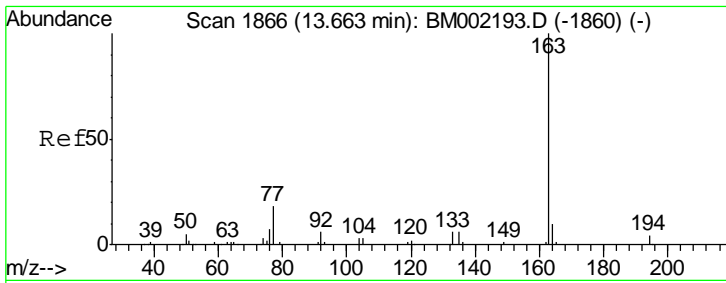
Tgt Ion:142 Resp: 24181
 Ion Ratio Lower Upper
 142 100
 141 86.1 69.8 104.6



#35
 1-Methylnaphthalene
 Concen: 1.59 ng/ul
 RT: 12.00 min Scan# 1583
 Delta R.T. -0.22 min
 Lab File: BM002199.D
 Acq: 03 Aug 2015 16:07

Tgt Ion:142 Resp: 24181
 Ion Ratio Lower Upper
 142 100
 141 86.1 72.4 108.6
 116 3.5 3.2 4.8

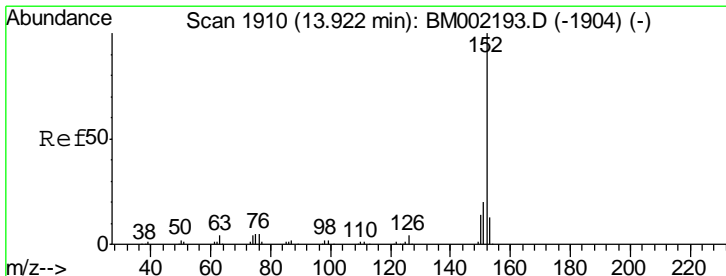
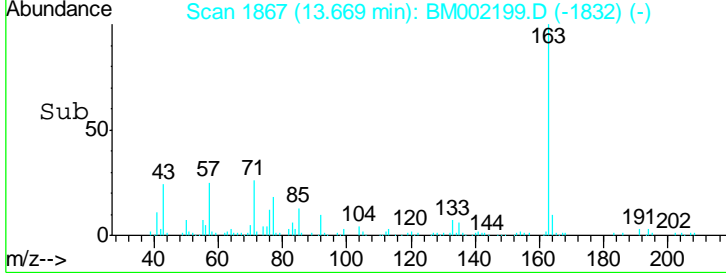
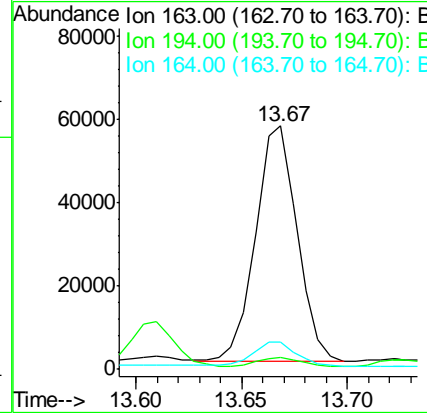
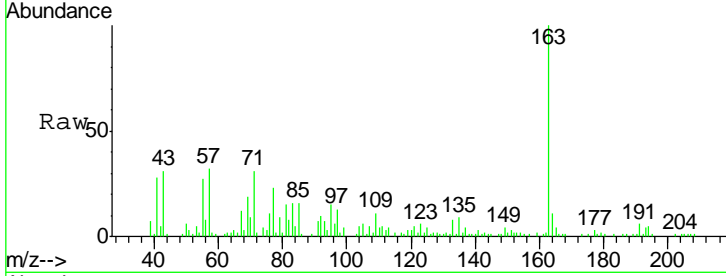




#45
 Dimethylphthalate
 Concen: 3.72 ng/ul
 RT: 13.67 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: BM002199.D
 Acq: 03 Aug 2015 16:07

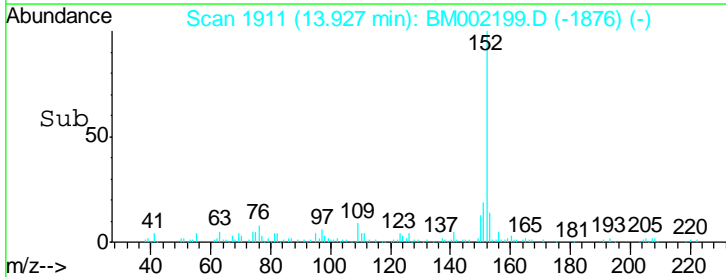
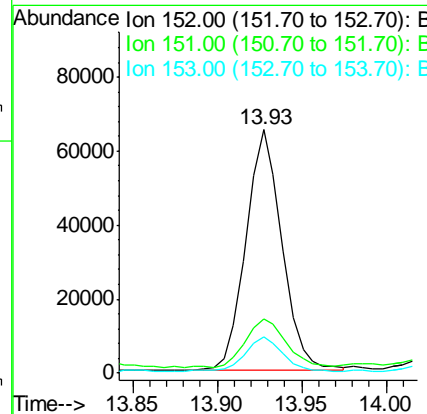
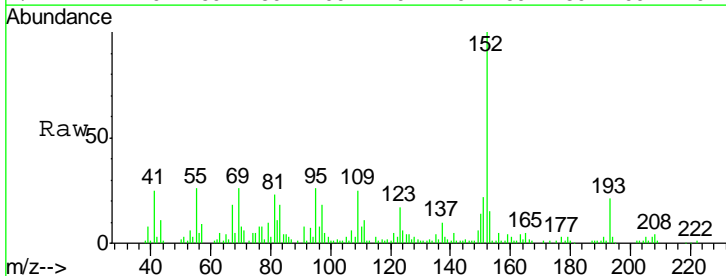
Instrument :
 BNA_M
 ClientSampled :
 C01Q6

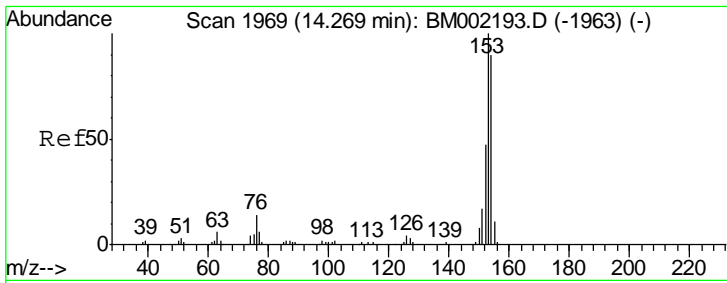
Tgt Ion	Resp	Lower	Upper
163	100		
194	5.1	3.5	5.3
164	11.2	8.0	12.0



#48
 Acenaphthylene
 Concen: 3.59 ng/ul
 RT: 13.93 min Scan# 1911
 Delta R.T. 0.01 min
 Lab File: BM002199.D
 Acq: 03 Aug 2015 16:07

Tgt Ion	Resp	Lower	Upper
152	100		
151	22.0	15.6	23.4
153	14.9	10.3	15.5

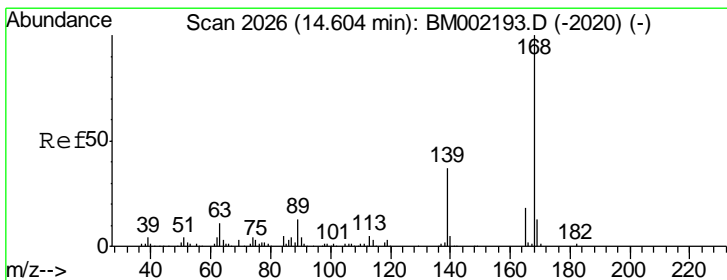
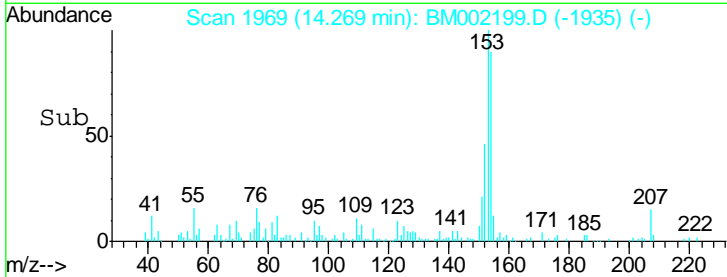
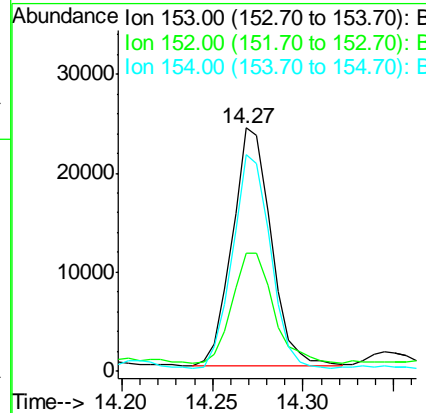
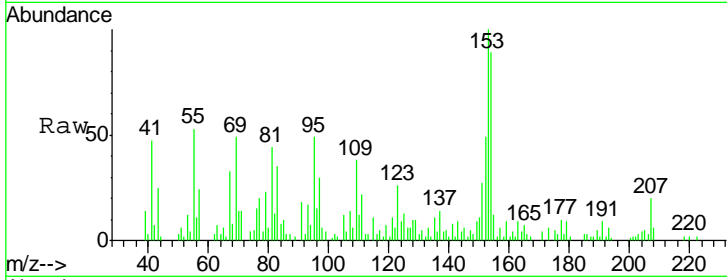




#50
 Acenaphthene
 Concen: 2.02 ng/ul
 RT: 14.27 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: BM002199.D
 Acq: 03 Aug 2015 16:07

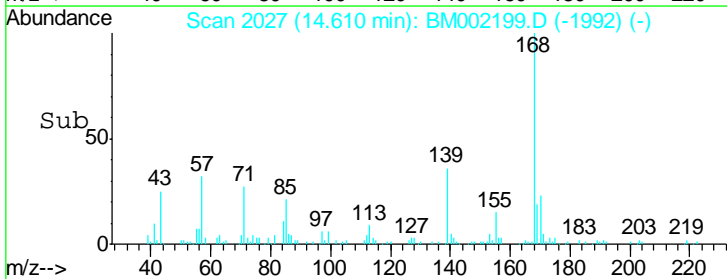
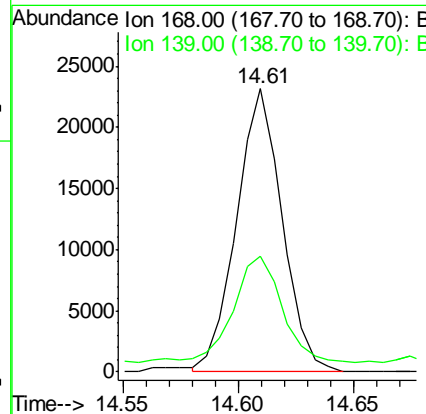
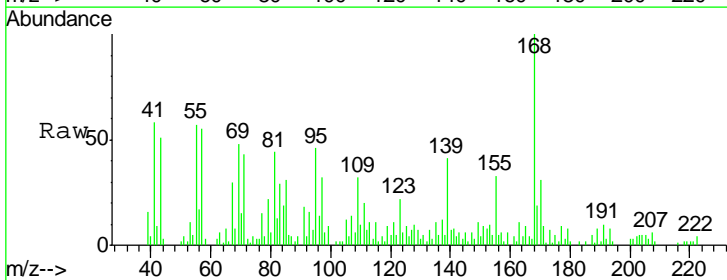
Instrument :
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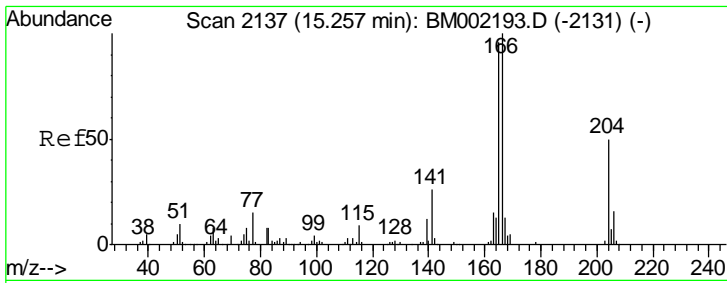
Tgt Ion	Resp	Lower	Upper
153	35614		
152	48.5	37.3	55.9
154	88.8	71.4	107.2



#54
 Dibenzofuran
 Concen: 1.26 ng/ul
 RT: 14.61 min Scan# 2027
 Delta R.T. 0.01 min
 Lab File: BM002199.D
 Acq: 03 Aug 2015 16:07

Tgt Ion	Resp	Lower	Upper
168	31824		
139	40.9	28.2	42.2

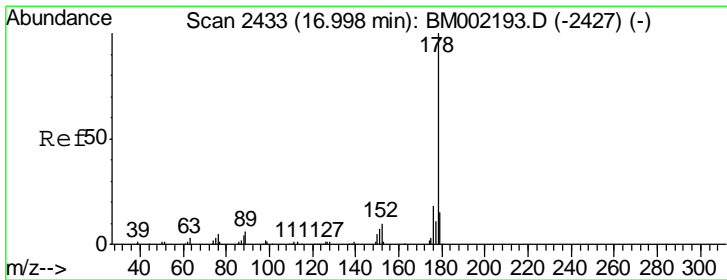
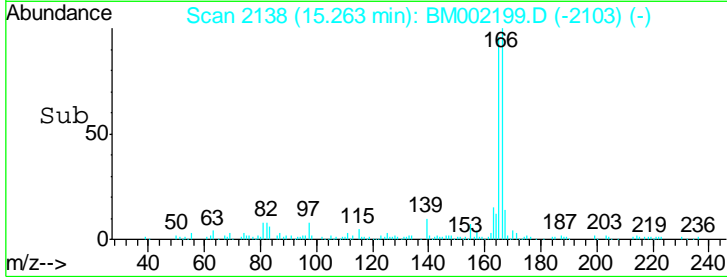
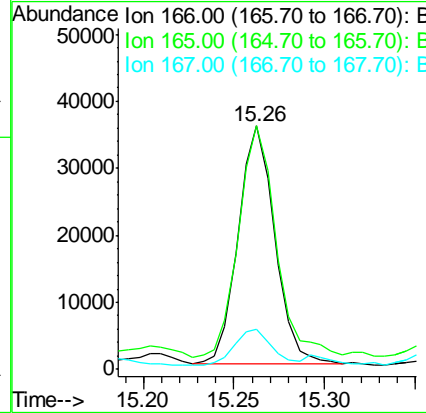
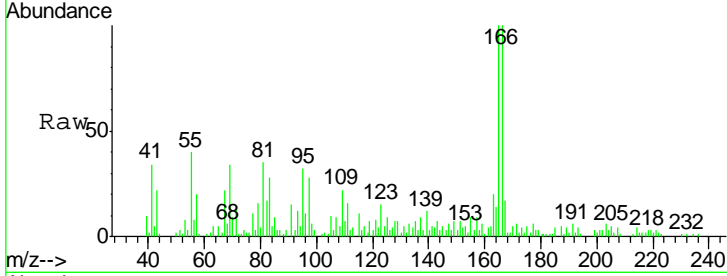




#59
 Fluorene
 Concen: 2.37 ng/ul
 RT: 15.26 min Scan# 2138
 Delta R.T. 0.01 min
 Lab File: BM002199.D
 Acq: 03 Aug 2015 16:07

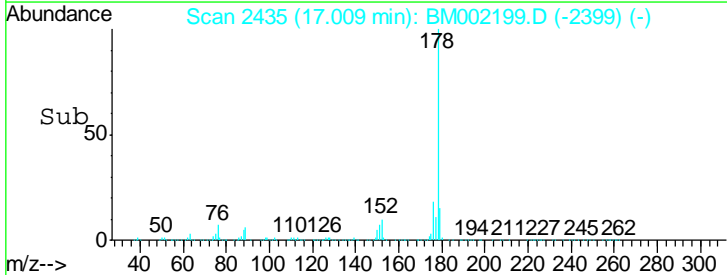
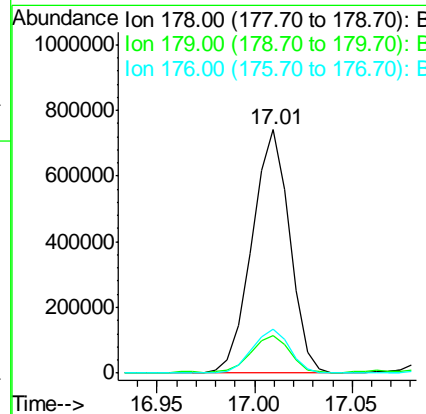
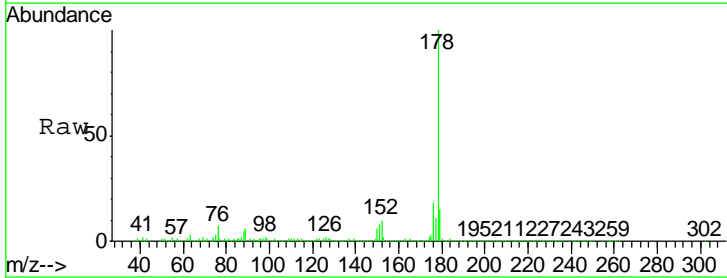
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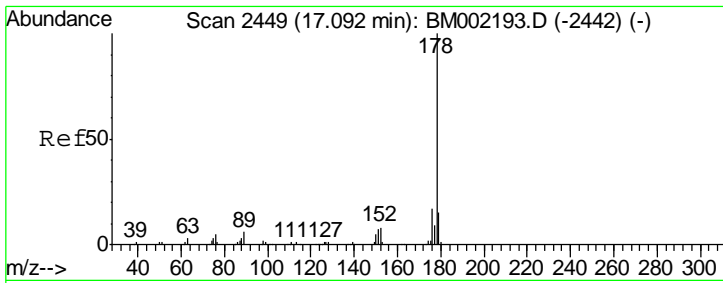
Tgt Ion	Resp	Lower	Upper
166	49582		
165	100.1	75.6	113.4
167	16.5	10.5	15.7#



#70
 Phenanthrene
 Concen: 29.09 ng/ul
 RT: 17.01 min Scan# 2435
 Delta R.T. 0.01 min
 Lab File: BM002199.D
 Acq: 03 Aug 2015 16:07

Tgt Ion	Resp	Lower	Upper
178	982865		
179	15.5	12.5	18.7
176	18.1	14.2	21.4

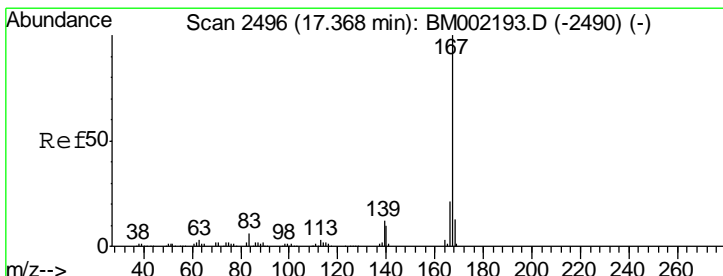
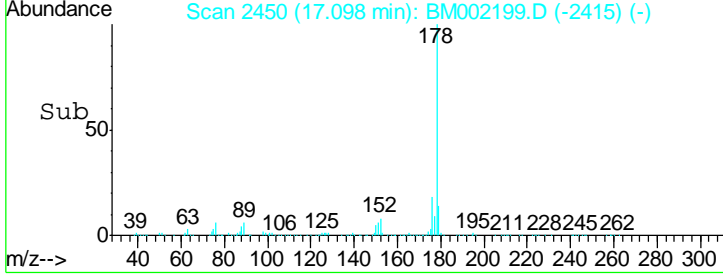
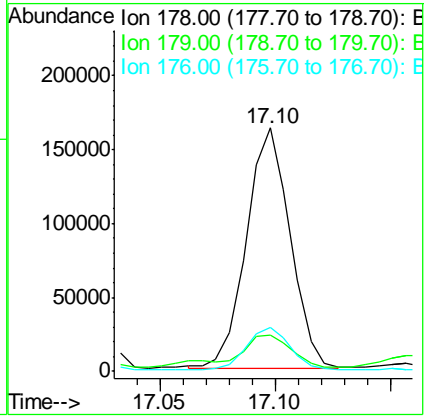
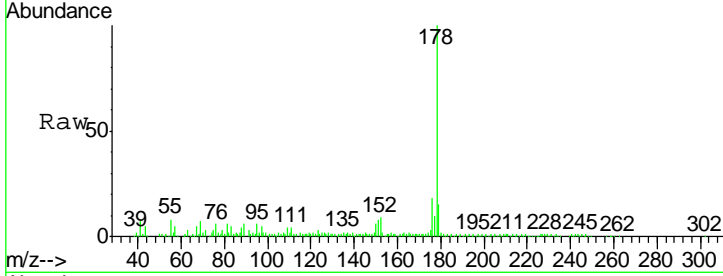




#72
 Anthracene
 Concen: 6.26 ng/ul
 RT: 17.10 min Scan# 2450
 Delta R.T. 0.01 min
 Lab File: BM002199.D
 Acq: 03 Aug 2015 16:07

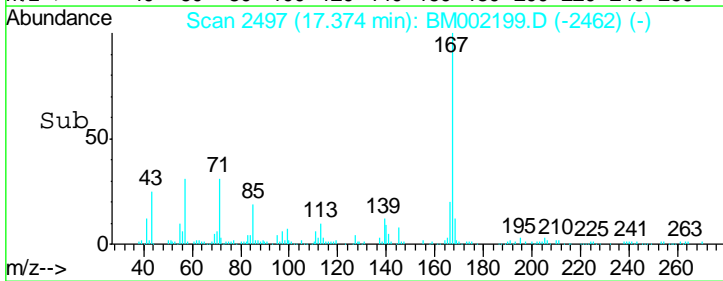
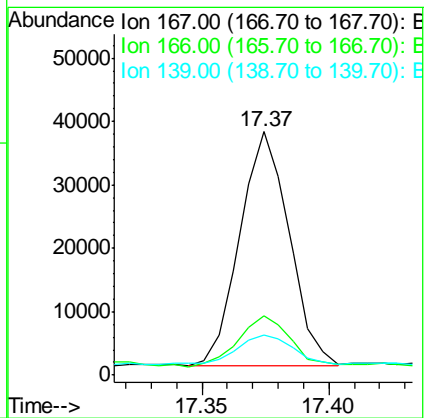
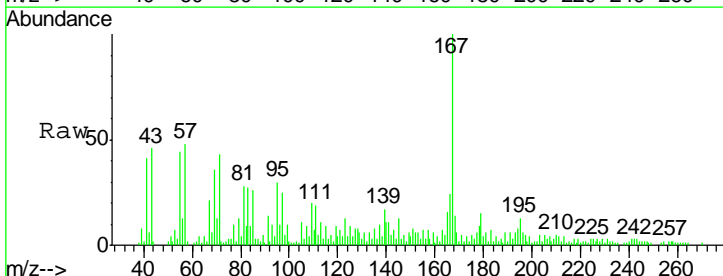
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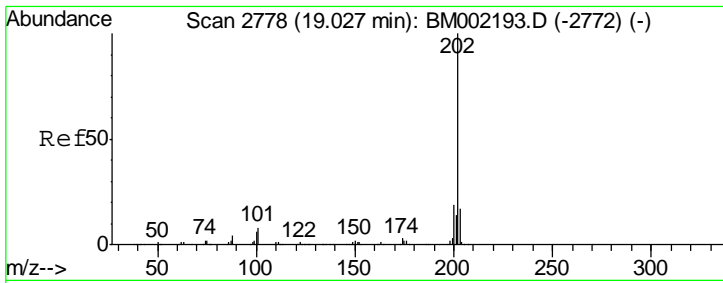
Tgt Ion	Resp	Lower	Upper
178	216076		
179	15.1	12.1	18.1
176	17.8	14.1	21.1



#75
 Carbazole
 Concen: 1.71 ng/ul
 RT: 17.37 min Scan# 2497
 Delta R.T. 0.01 min
 Lab File: BM002199.D
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Tgt Ion	Resp	Lower	Upper
167	50324		
166	24.4	16.2	24.4#
139	16.6	9.6	14.4#

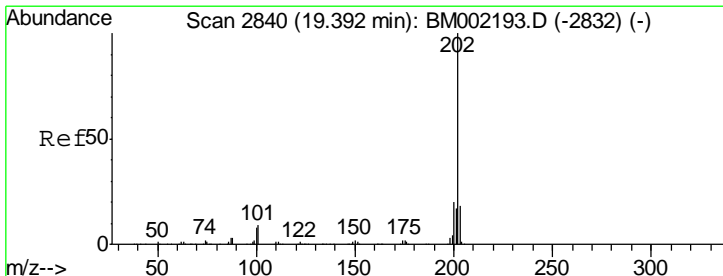
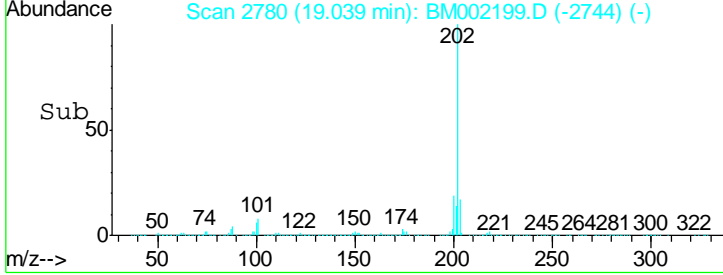
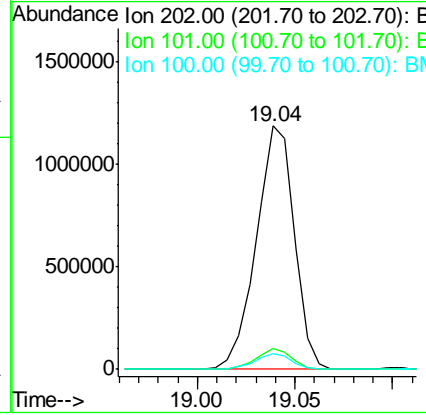
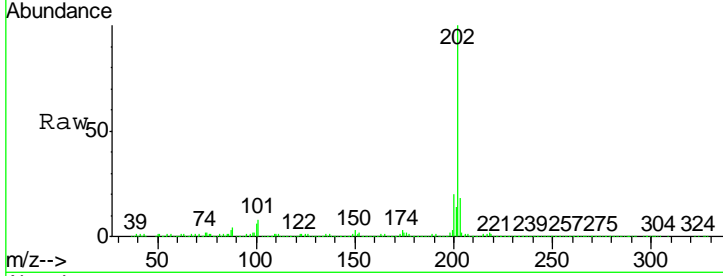




#77
 Fluoranthene
 Concen: 40.86 ng/ul
 RT: 19.04 min Scan# 2780
 Delta R.T. 0.01 min
 Lab File: BM002199.D
 Acq: 03 Aug 2015 16:07

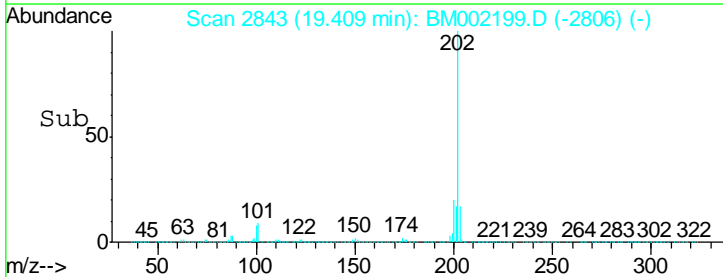
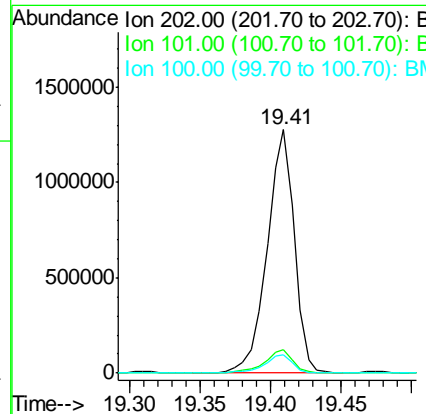
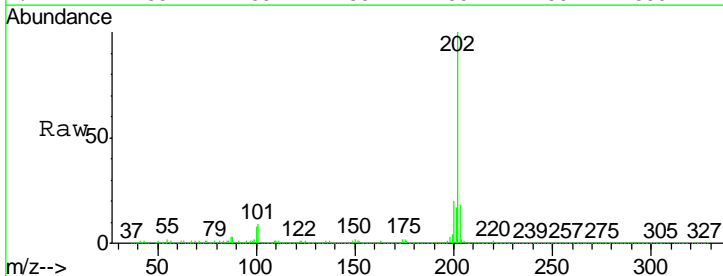
Instrument :
 BNA_M
ClientSampled :
 C01Q6

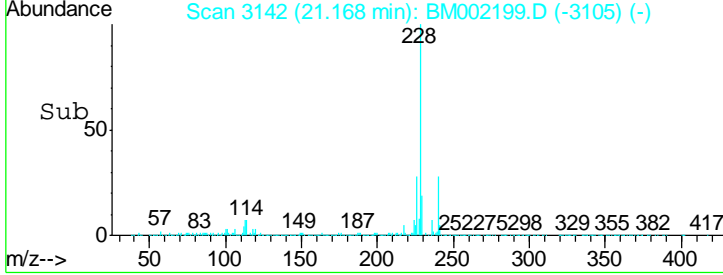
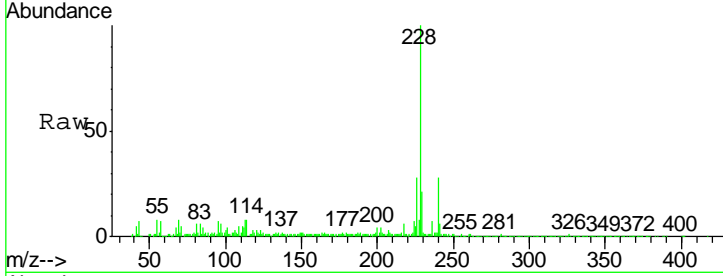
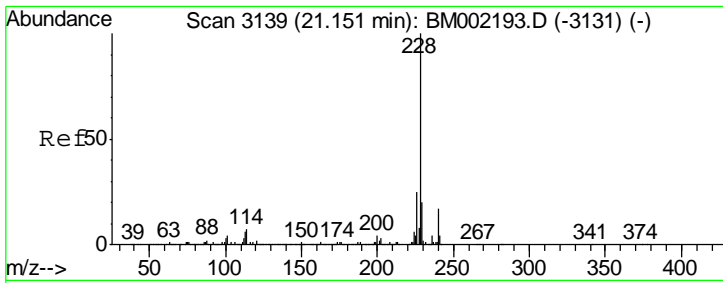
Tgt Ion	Resp	Lower	Upper
202	1594127		
101	8.4	6.2	9.4
100	6.4	5.2	7.8



#80
 Pyrene
 Concen: 52.38 ng/ul
 RT: 19.41 min Scan# 2843
 Delta R.T. 0.02 min
 Lab File: BM002199.D
 Acq: 03 Aug 2015 16:07

Tgt Ion	Resp	Lower	Upper
202	1715794		
101	9.4	7.4	11.2
100	7.7	6.3	9.5

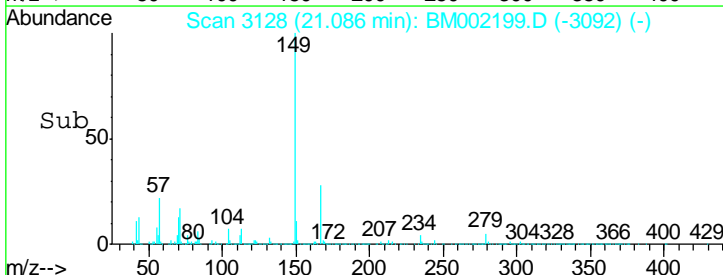
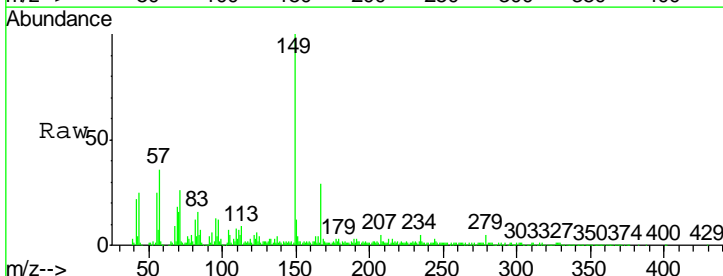
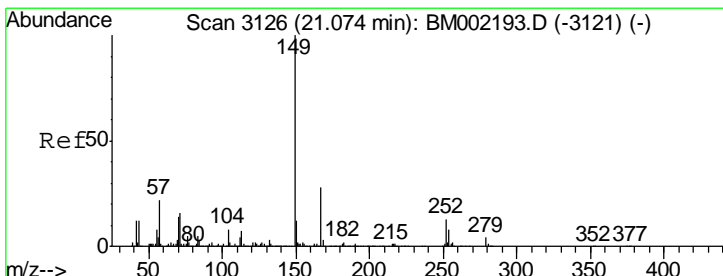
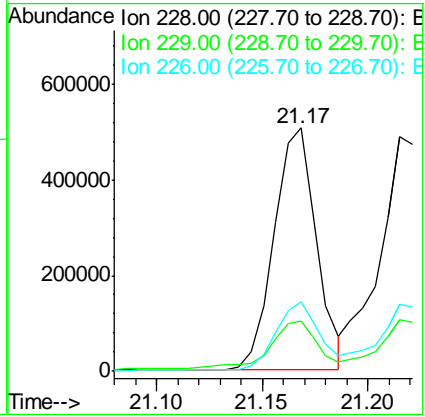




#83
 Benzo(a)anthracene
 Concen: 21.16 ng/ul
 RT: 21.17 min Scan# 3142
 Delta R.T. 0.02 min
 Lab File: BM002199.D
 Acq: 03 Aug 2015 16:07

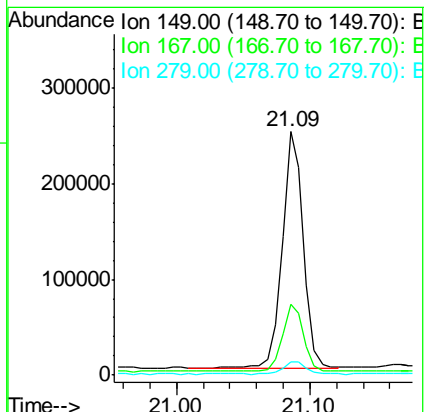
Instrument :
 BNA_M
 ClientSampleId :
 C01Q6

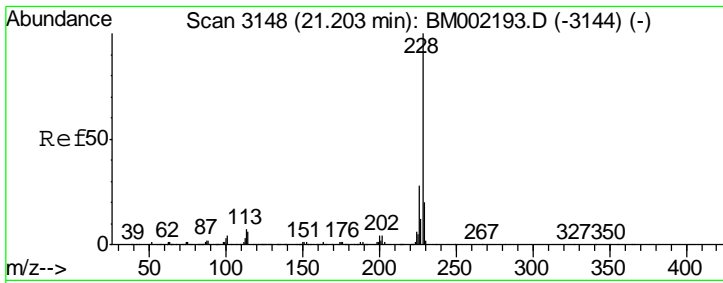
Tgt Ion	Resp	Lower	Upper
228	100		
229	20.5	15.4	23.2
226	28.4	20.5	30.7



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 14.25 ng/ul
 RT: 21.09 min Scan# 3128
 Delta R.T. 0.01 min
 Lab File: BM002199.D
 Acq: 03 Aug 2015 16:07

Tgt Ion	Resp	Lower	Upper
149	100		
167	29.3	23.6	35.4
279	5.3	4.2	6.4

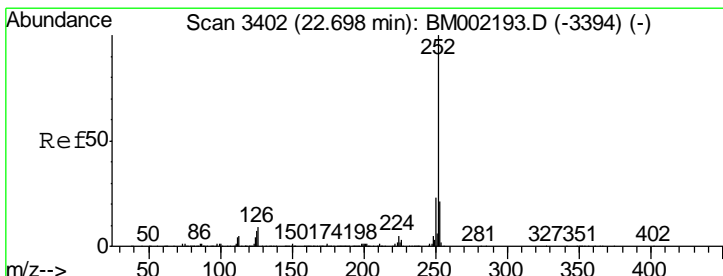
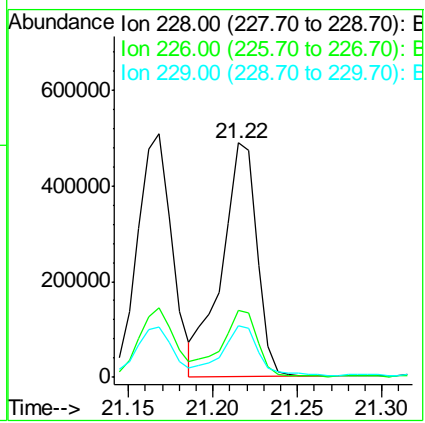
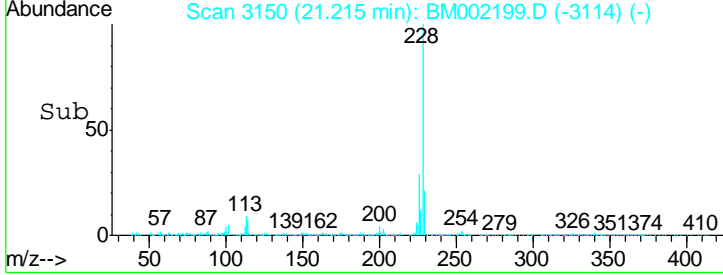
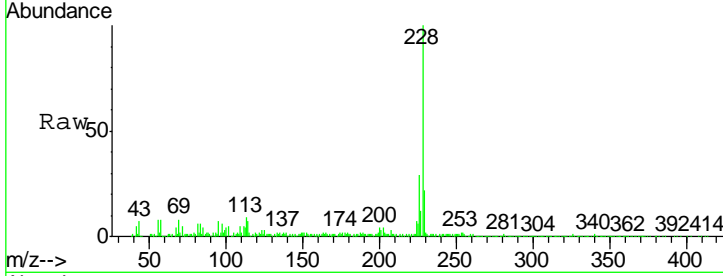




#85
 Chrysene
 Concen: 22.60 ng/ul
 RT: 21.22 min Scan# 3150
 Delta R.T. 0.01 min
 Lab File: BM002199.D
 Acq: 03 Aug 2015 16:07

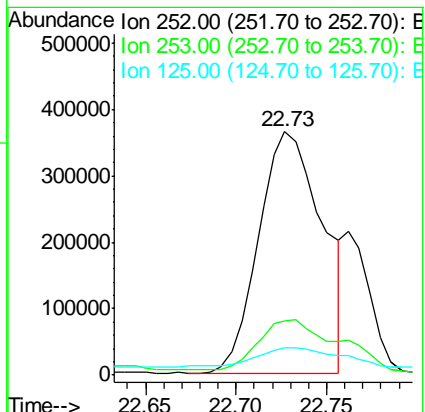
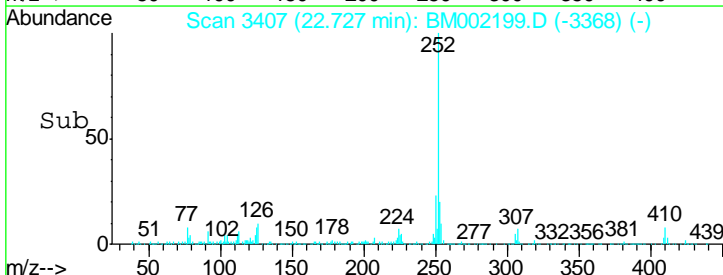
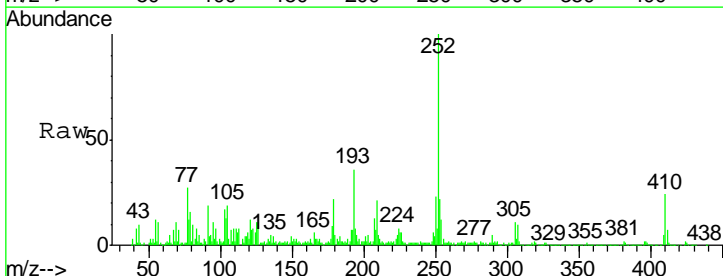
Instrument :
 BNA_M
 ClientSampled :
 C01Q6

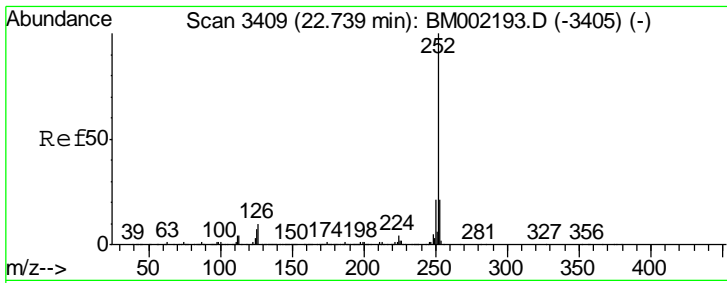
Tgt Ion	Resp	Lower	Upper
228	100		
226	28.9	22.3	33.5
229	21.9	15.5	23.3



#88
 Benzo(b)fluoranthene
 Concen: 26.82 ng/ul
 RT: 22.73 min Scan# 3407
 Delta R.T. 0.03 min
 Lab File: BM002199.D
 Acq: 03 Aug 2015 16:07

Tgt Ion	Resp	Lower	Upper
252	100		
253	22.5	16.9	25.3
125	11.4	6.2	9.2#

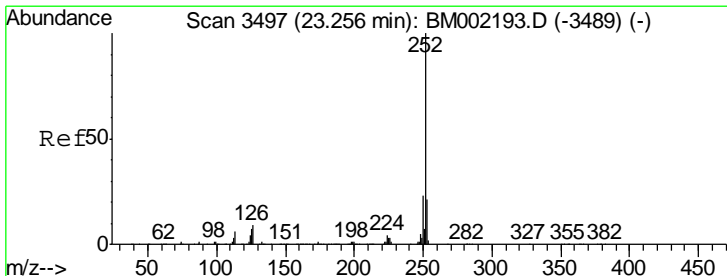
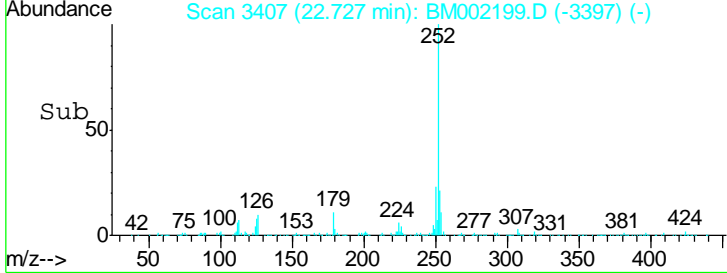
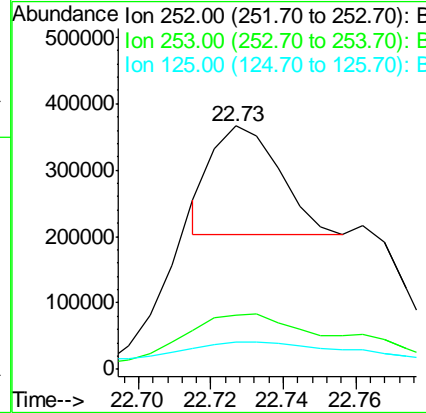
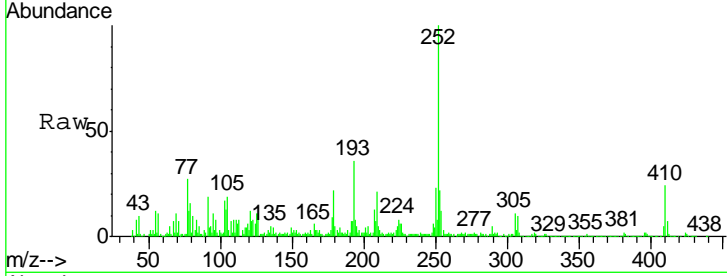




#89
 Benzo(k)fluoranthene
 Concen: 6.54 ng/ul
 RT: 22.73 min Scan# 3407
 Delta R.T. -0.01 min
 Lab File: BM002199.D
 Acq: 03 Aug 2015 16:07

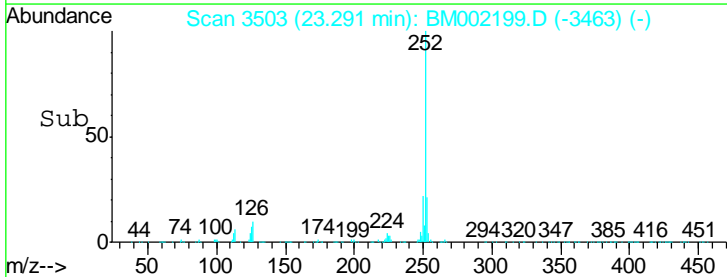
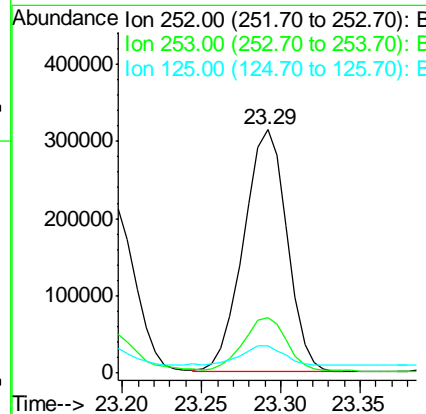
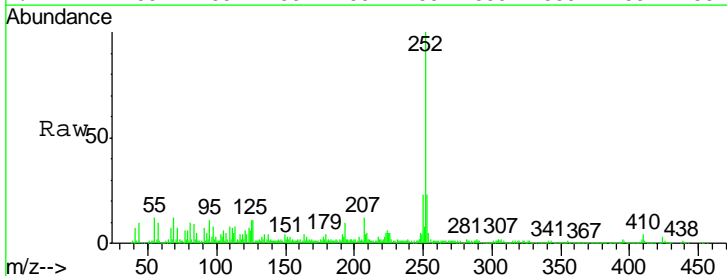
Instrument :
 BNA_M
ClientSampled :
 C01Q6

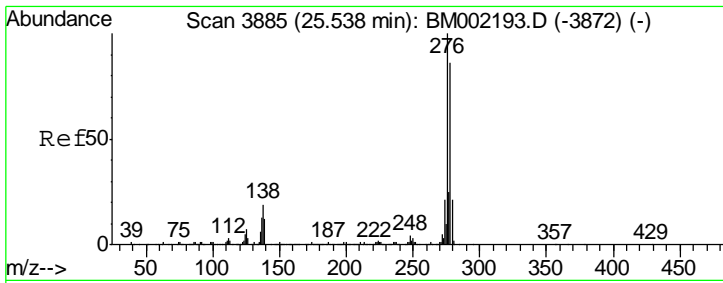
Tgt Ion	Resp	Lower	Upper
252	100		
253	22.5	17.4	26.0
125	11.4	6.2	9.4#



#91
 Benzo(a)pyrene
 Concen: 18.62 ng/ul
 RT: 23.29 min Scan# 3503
 Delta R.T. 0.04 min
 Lab File: BM002199.D
 Acq: 03 Aug 2015 16:07

Tgt Ion	Resp	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	11.2	6.6	10.0#

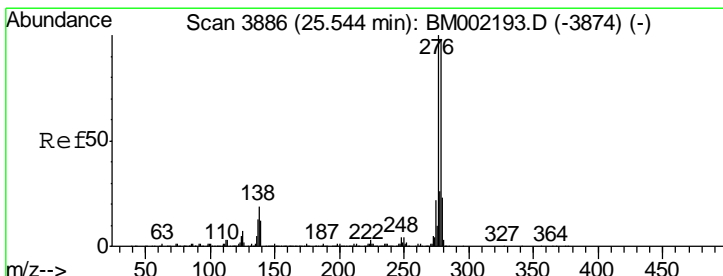
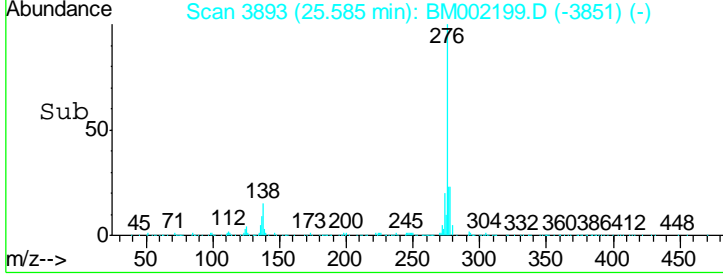
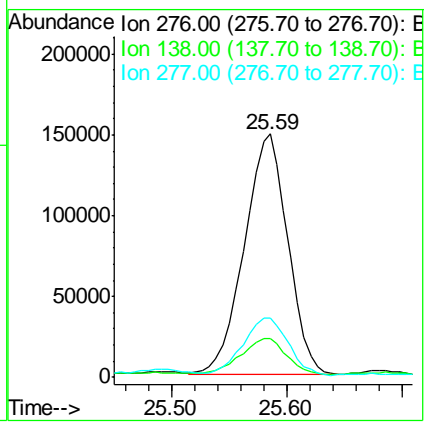
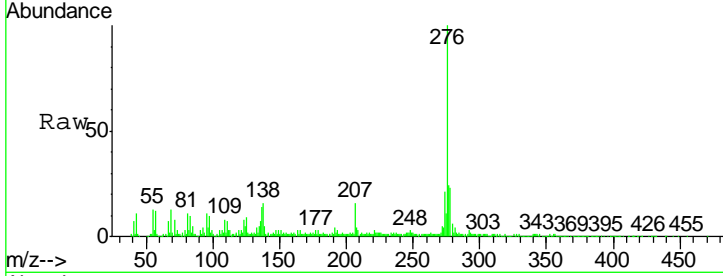




#92
 Indeno(1,2,3-cd)pyrene
 Concen: 10.59 ng/ul
 RT: 25.59 min Scan# 3893
 Delta R.T. 0.05 min
 Lab File: BM002199.D
 Acq: 03 Aug 2015 16:07

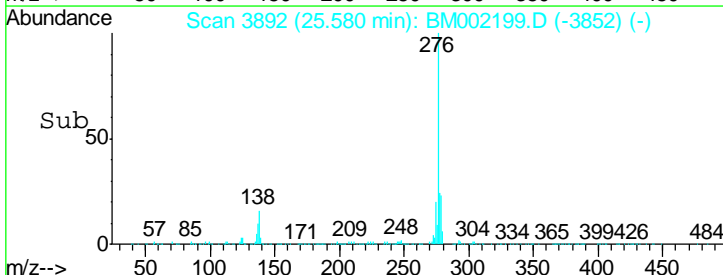
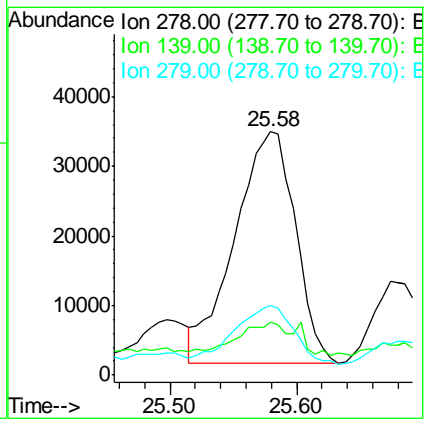
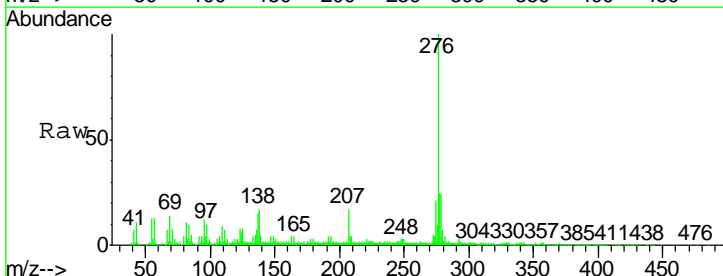
Instrument :
 BNA_M
ClientSampled :
 C01Q6

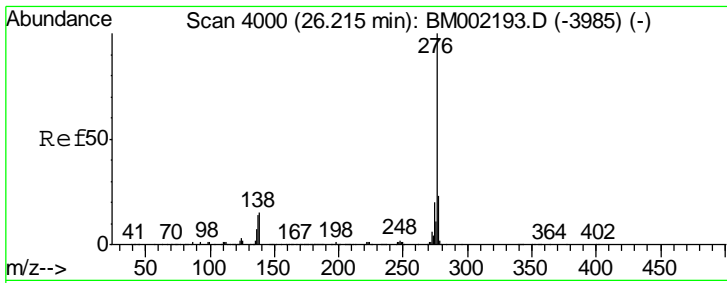
Tgt Ion	Resp	Lower	Upper
276	100		
138	16.0	16.2	24.2#
277	24.2	19.8	29.8



#93
 Dibenzo(a,h)anthracene
 Concen: 3.51 ng/ul
 RT: 25.58 min Scan# 3892
 Delta R.T. 0.04 min
 Lab File: BM002199.D
 Acq: 03 Aug 2015 16:07

Tgt Ion	Resp	Lower	Upper
278	100		
139	21.6	10.6	16.0#
279	28.8	18.5	27.7#





#94
 Benzo(g,h,i)perylene
 Concen: 11.98 ng/ul
 RT: 26.26 min Scan# 4008
 Delta R.T. 0.05 min
 Lab File: BM002199.D
 Acq: 03 Aug 2015 16:07

Instrument :
 BNA_M
 ClientSampleId :
 C01Q6

Tgt Ion: 276 Resp: 370575

Ion	Ratio	Lower	Upper
276	100		
138	17.1	13.8	20.6
277	24.4	18.2	27.2

