

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
 Data File : BM012440.D
 Acq On : 25 Oct 2017 11:51
 Operator : SJ/JU
 Sample : I5693-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 26 01:10:50 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 26 01:09:36 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	568615	20.00	ng/ul	0.00
18) Naphthalene-d8	10.67	136	2444348	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.51	164	1593713	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.25	188	3841211	20.00	ng/ul	0.00
75) Chrysene-d12	21.43	240	3864051	20.00	ng/ul	0.01
83) Perylene-d12	23.73	264	3256965	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	52385	4.71	ng/uL	0.00
5) Phenol-d5	7.05	99	1318611	27.76	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.21	67	802814	28.47	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	1040079	29.23	ng/ul	0.00
13) 4-Methylphenol-d8	8.59	113	1078646	26.57	ng/ul	0.00
19) Nitrobenzene-d5	9.03	128	516428	33.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.76	143	607070	38.49	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.29	165	1205098	28.85	ng/ul	0.00
29) 4-Chloroaniline-d4	10.80	131	643244	14.60	ng/ul	0.00
43) Dimethylphthalate-d6	13.92	166	3875568	27.84	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	4842275	29.40	ng/ul	0.00
51) 4-Nitrophenol-d4	14.71	143	462739	22.36	ng/ul	0.01
57) Fluorene-d10	15.50	176	3404709	28.89	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	386893	20.81	ng/ul	0.01
70) Anthracene-d10	17.35	188	5501254	30.05	ng/ul	0.00
76) Pyrene-d10	19.64	212	6255664	35.29	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.59	264	4565861	29.51	ng/ul	0.02

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Benzaldehyde	7.03	77	76136	2.95	ng/ul#	2
6) Phenol	7.07	94	202987	4.10	ng/ul#	89
11) 2-Methylphenol	8.32	108	58456	1.57	ng/ul	99
14) Acetophenone	8.69	105	271490	4.26	ng/ul#	82
17) Hexachloroethane	8.99	117	25115	1.63	ng/ul#	1
28) Naphthalene	10.72	128	989938	8.17	ng/ul	100
34) 2-Methylnaphthalene	12.33	142	428235	4.35	ng/ul	98
44) Dimethylphthalate	13.96	163	1574659	11.43	ng/ul	100
47) Acenaphthylene	14.23	152	380842	2.42	ng/ul	97
49) Acenaphthene	14.57	153	110845	1.03	ng/ul	98
60) 4-Nitroaniline	15.57	138	45634	1.78	ng/ul#	94
69) Phenanthrene	17.29	178	2954882	14.22	ng/ul	99
71) Anthracene	17.38	178	863803	4.02	ng/ul	98
73) Di-n-butylphthalate	18.22	149	2635629	11.62	ng/ul	98
74) Fluoranthene	19.30	202	8499821	36.11	ng/ul#	92
77) Pyrene	19.67	202	12677502	57.69	ng/ul#	87
80) Benzo(a)anthracene	21.41	228	7712047	33.33	ng/ul	94
82) Chrysene	21.46	228	8629805	41.95	ng/ul	96
85) Benzo(b)fluoranthene	23.04	252	12800459	63.58	ng/ul#	97
86) Benzo(k)fluoranthene	23.04	252	12800459	67.55	ng/ul#	96
88) Benzo(a)pyrene	23.64	252	10312452	53.72	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	26.09	276	7292609	32.28	ng/ul	98
90) Dibenzo(a,h)anthracene	26.09	278	1839948	9.61	ng/ul#	92

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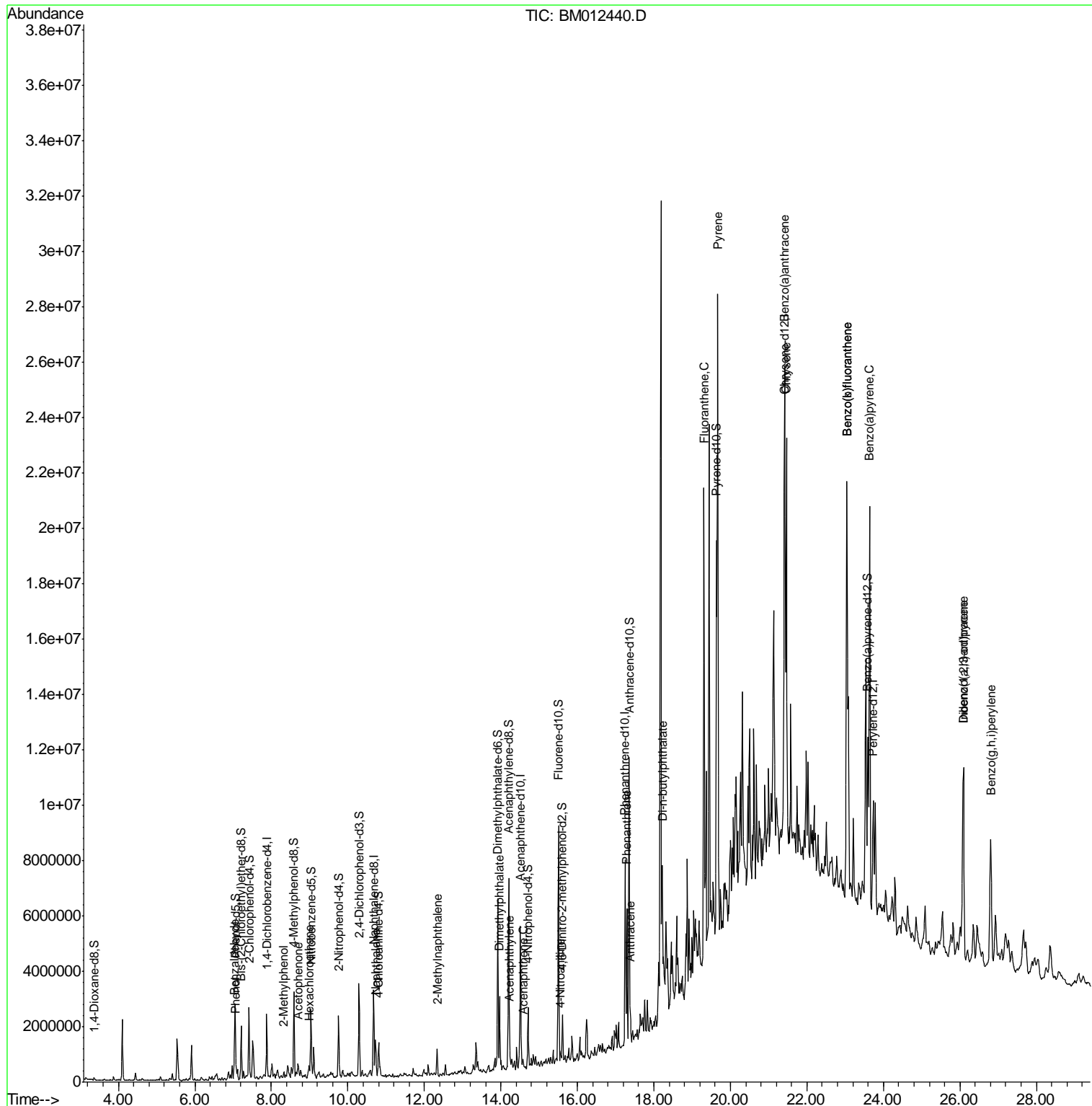
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(a,h,i)perylene	26.81	276	6183296	33.77	ng/ul#	96

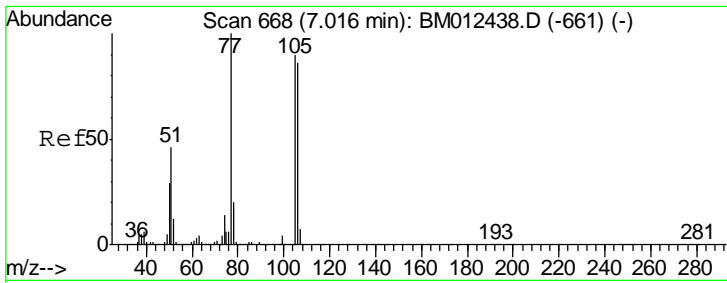
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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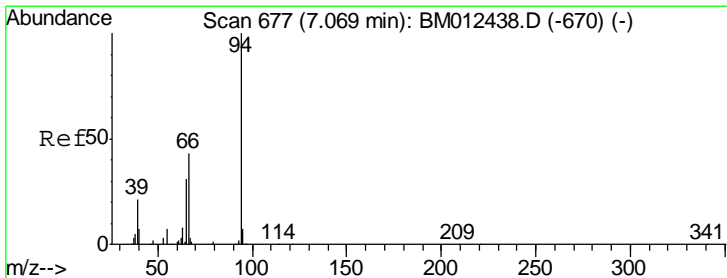
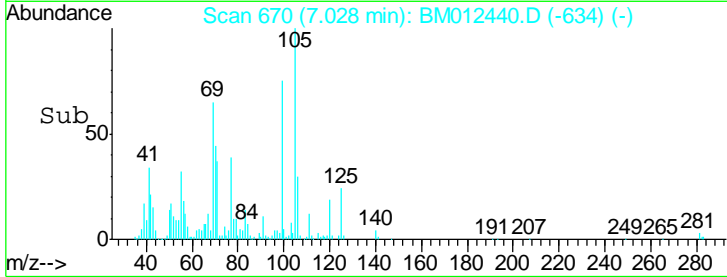
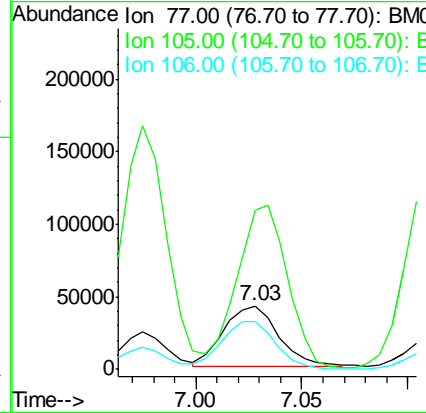
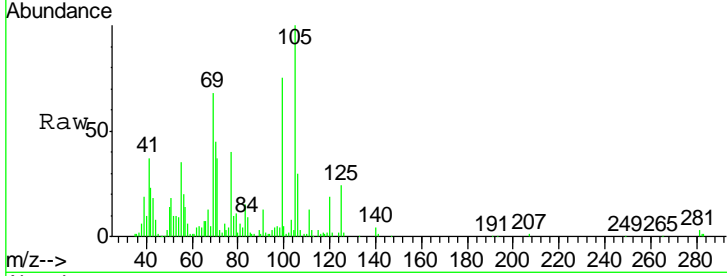




#4
Benzaldehyde
Concen: 2.95 ng/ul
RT: 7.03 min Scan# 670
Delta R.T. 0.01 min
Lab File: BM012440.D
Acq: 25 Oct 2017 11:51

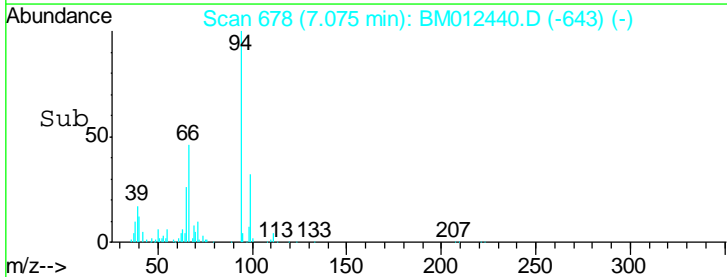
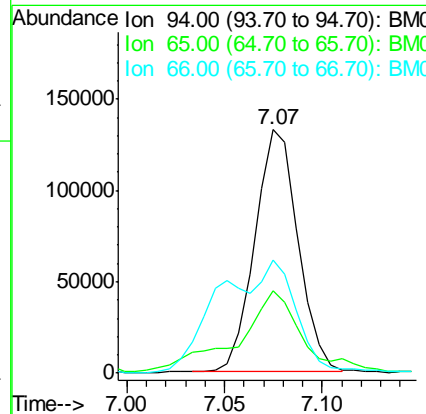
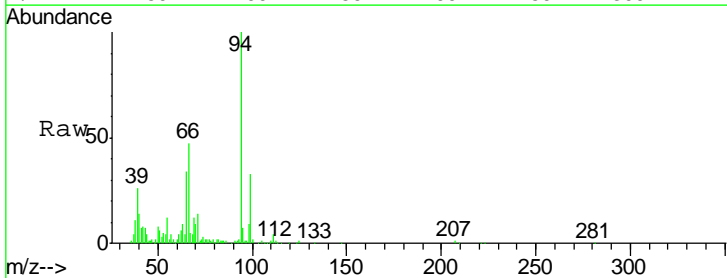
Instrument :
BNA_M
ClientSampled :

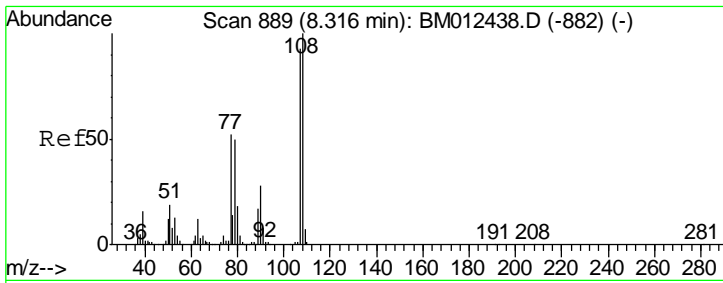
Tgt Ion	Resp	Lower	Upper
77	100		
105	250.4	66.1	99.1#
106	74.5	67.8	101.6



#6
Phenol
Concen: 4.10 ng/ul
RT: 7.07 min Scan# 678
Delta R.T. 0.01 min
Lab File: BM012440.D
Acq: 25 Oct 2017 11:51

Tgt Ion	Resp	Lower	Upper
94	100		
65	34.0	28.2	42.4
66	46.5	47.2	70.8#

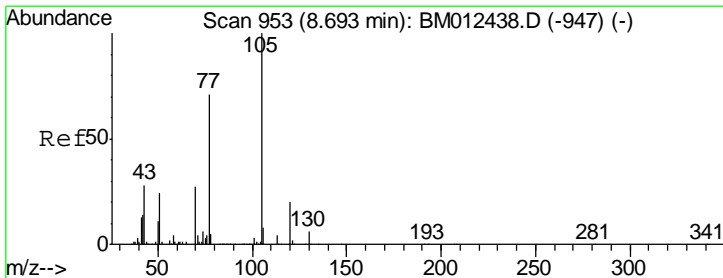
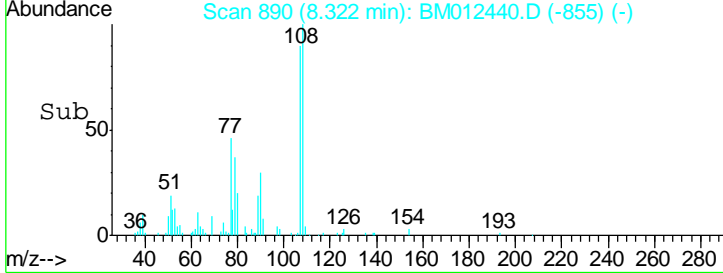
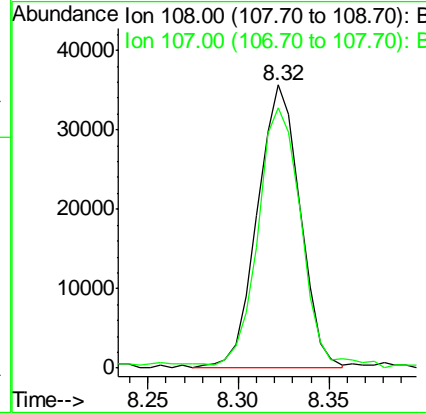
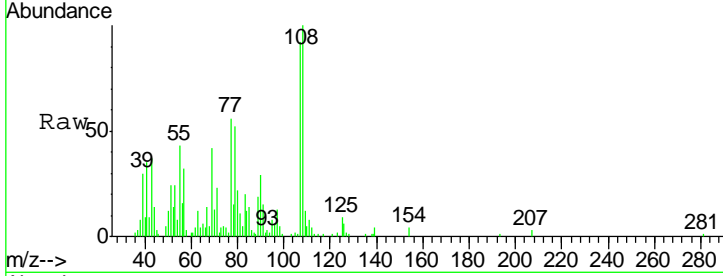




#11
 2-Methylphenol
 Concen: 1.57 ng/ul
 RT: 8.32 min Scan# 890
 Delta R.T. 0.01 min
 Lab File: BM012440.D
 Acq: 25 Oct 2017 11:51

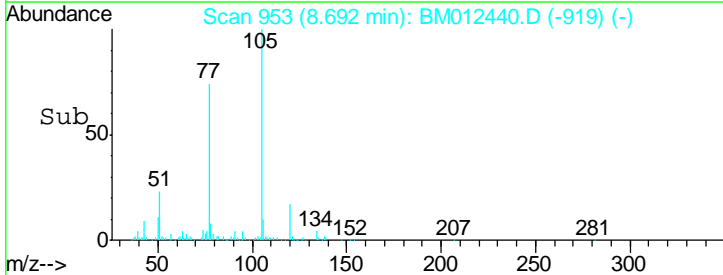
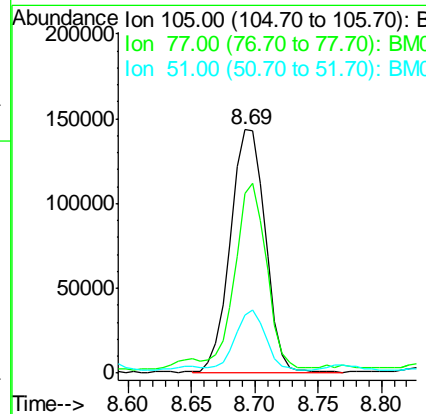
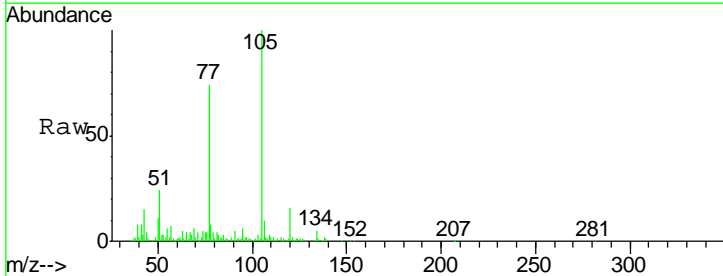
Instrument :
 BNA_M
 ClientSampled :

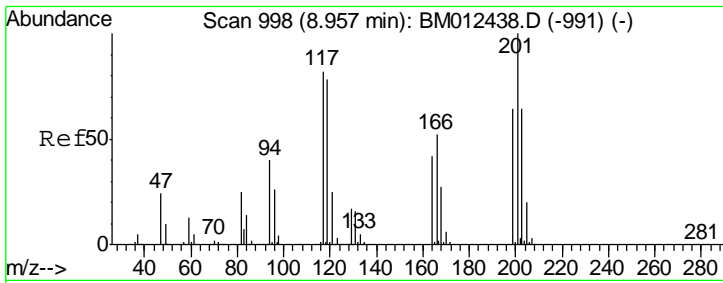
Tgt Ion:108 Resp: 58456
 Ion Ratio Lower Upper
 108 100
 107 92.0 72.6 108.8



#14
 Acetophenone
 Concen: 4.26 ng/ul
 RT: 8.69 min Scan# 953
 Delta R.T. -0.00 min
 Lab File: BM012440.D
 Acq: 25 Oct 2017 11:51

Tgt Ion:105 Resp: 271490
 Ion Ratio Lower Upper
 105 100
 77 73.8 74.2 111.4#
 51 23.8 23.4 35.2

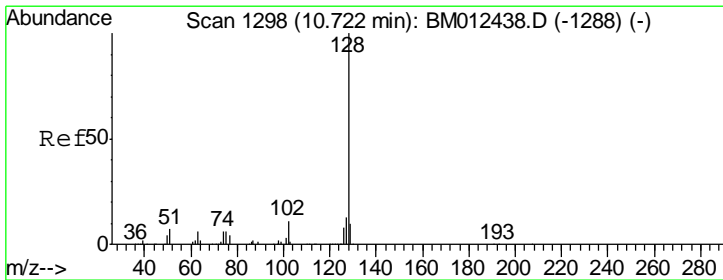
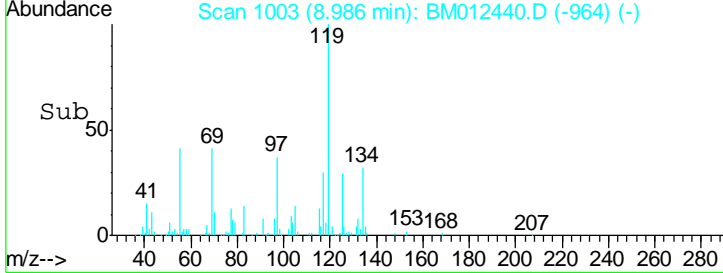
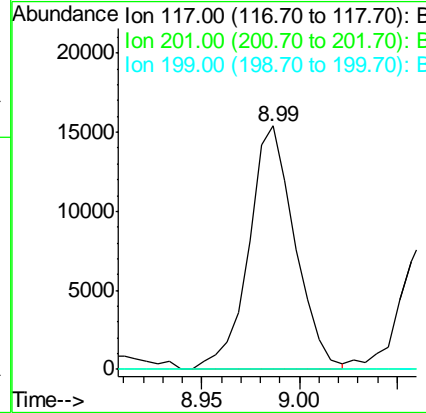
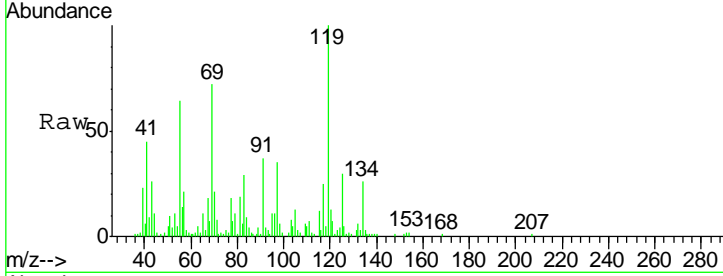




#17
 Hexachloroethane
 Concen: 1.63 ng/ul
 RT: 8.99 min Scan# 1003
 Delta R.T. 0.03 min
 Lab File: BM012440.D
 Acq: 25 Oct 2017 11:51

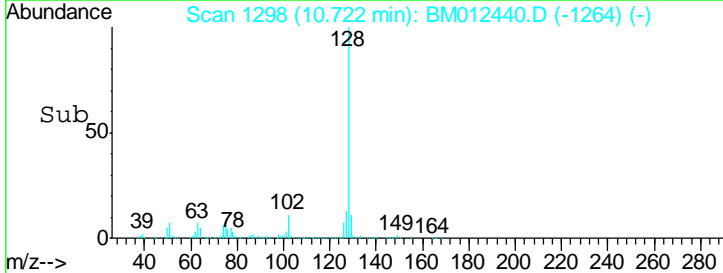
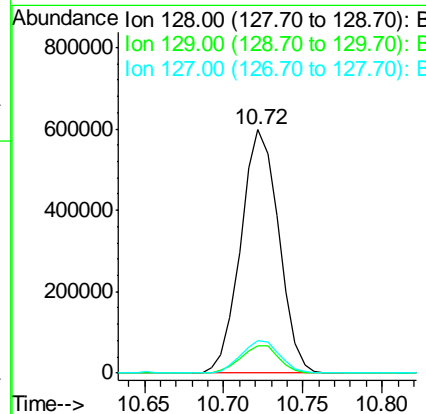
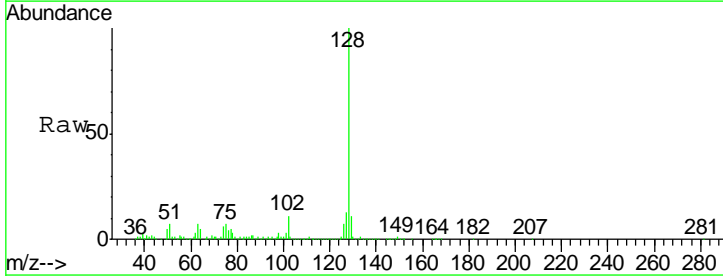
Instrument :
 BNA_M
 ClientSampled :

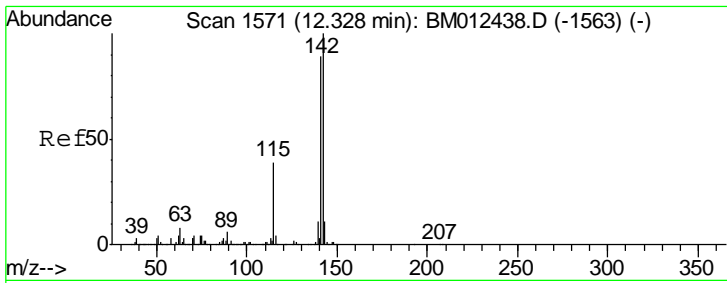
Tgt Ion	Resp	Lower	Upper
117	25115		
117	100		
201	0.0	111.6	167.4#
199	0.0	67.8	101.6#



#28
 Naphthalene
 Concen: 8.17 ng/ul
 RT: 10.72 min Scan# 1298
 Delta R.T. -0.00 min
 Lab File: BM012440.D
 Acq: 25 Oct 2017 11:51

Tgt Ion	Resp	Lower	Upper
128	989938		
128	100		
129	11.0	8.8	13.2
127	13.4	10.6	16.0

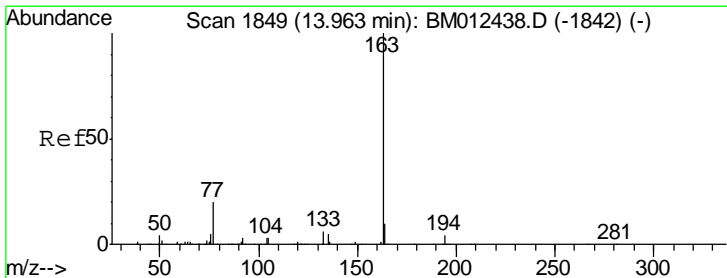
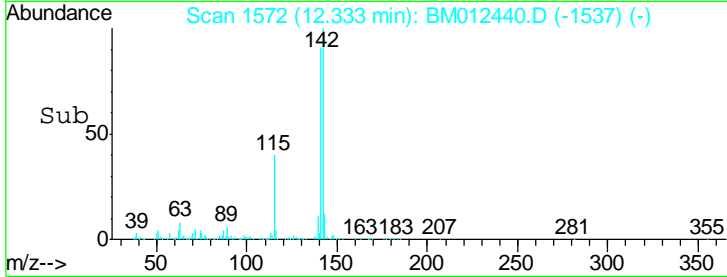
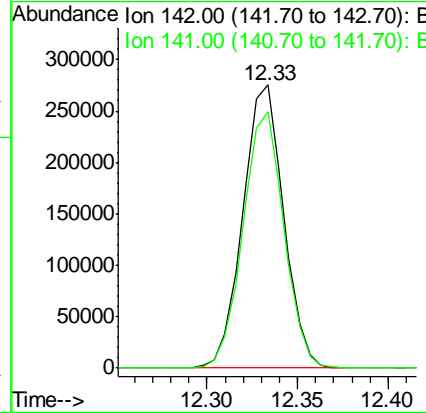
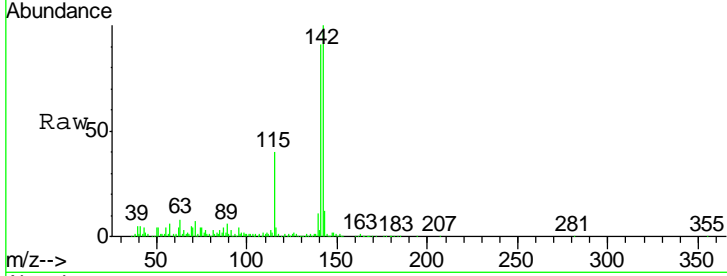




#34
 2-Methylnaphthalene
 Concen: 4.35 ng/ul
 RT: 12.33 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: BM012440.D
 Acq: 25 Oct 2017 11:51

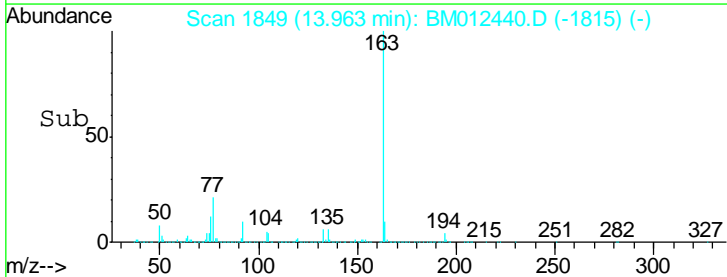
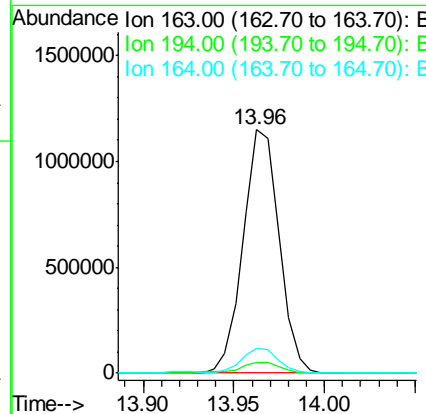
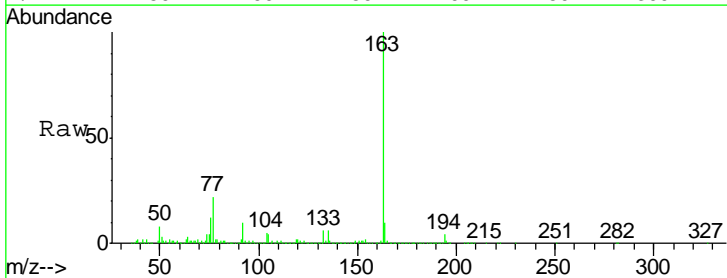
Instrument :
 BNA_M
 ClientSampled :

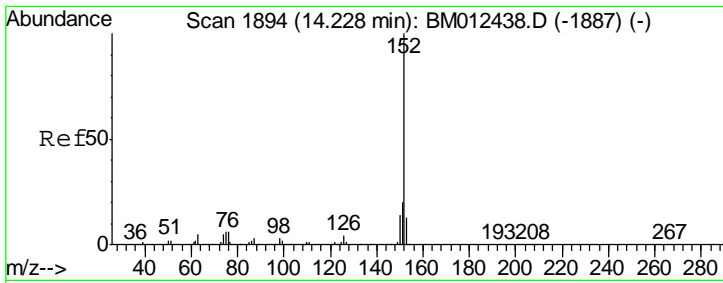
Tgt Ion	Resp	Lower	Upper
142	100		
141	90.7	74.1	111.1



#44
 Dimethylphthalate
 Concen: 11.43 ng/ul
 RT: 13.96 min Scan# 1849
 Delta R.T. -0.00 min
 Lab File: BM012440.D
 Acq: 25 Oct 2017 11:51

Tgt Ion	Resp	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.4	8.2	12.4

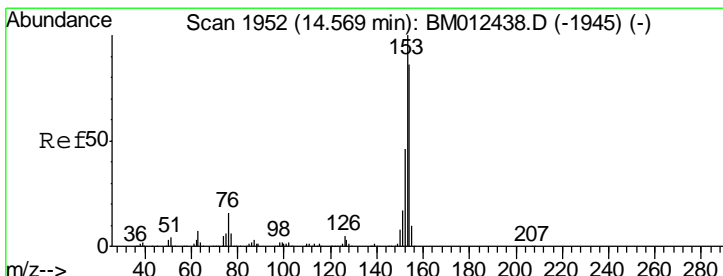
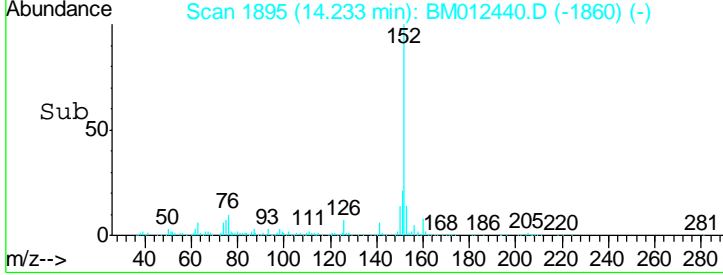
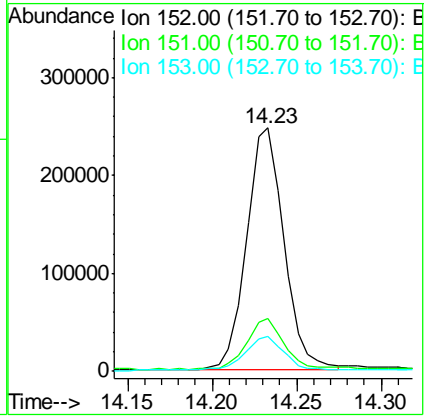
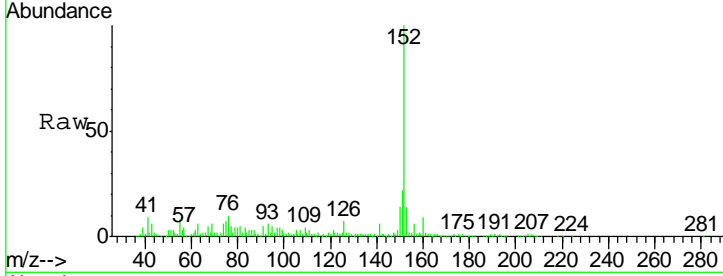




#47
 Acenaphthylene
 Concen: 2.42 ng/ul
 RT: 14.23 min Scan# 1895
 Delta R.T. 0.01 min
 Lab File: BM012440.D
 Acq: 25 Oct 2017 11:51

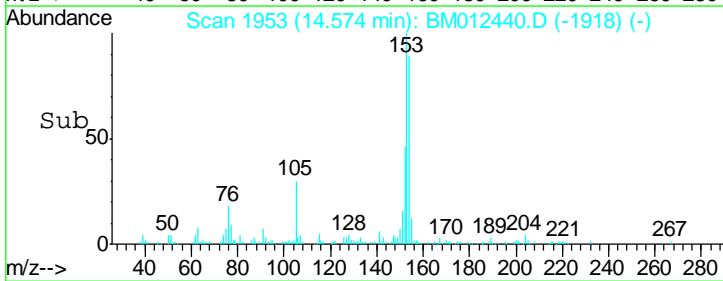
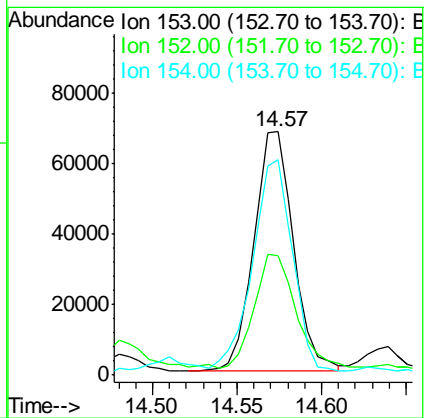
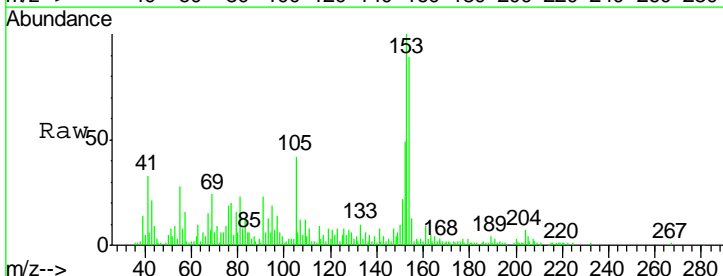
Instrument :
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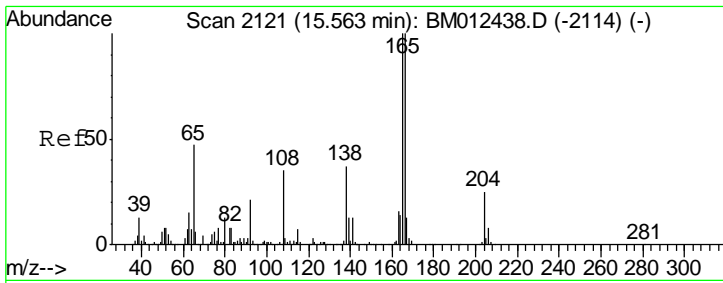
Tgt Ion	Resp	Lower	Upper
152	380842		
151	21.6	16.3	24.5
153	14.4	10.2	15.4



#49
 Acenaphthene
 Concen: 1.03 ng/ul
 RT: 14.57 min Scan# 1953
 Delta R.T. 0.01 min
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Tgt Ion	Resp	Lower	Upper
153	110845		
152	49.3	37.6	56.4
154	88.6	70.4	105.6

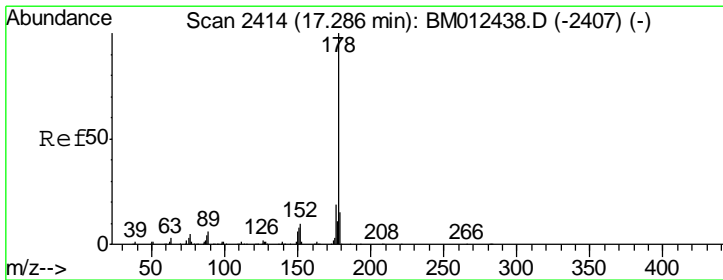
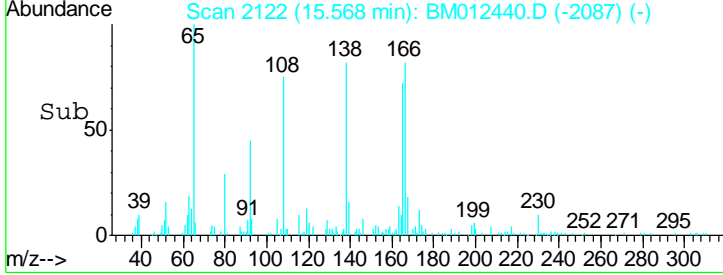
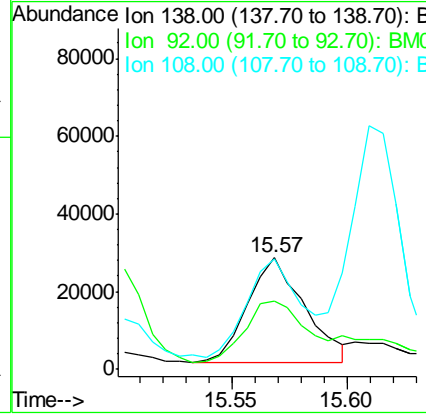
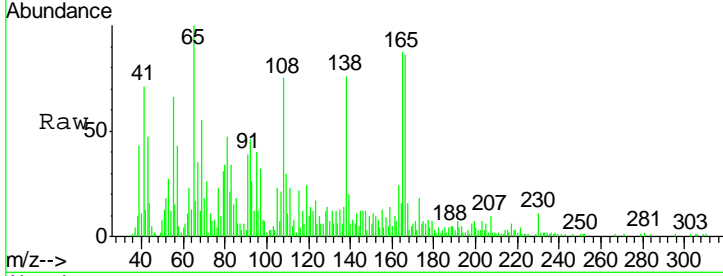




#60
 4-Nitroaniline
 Concen: 1.78 ng/ul
 RT: 15.57 min Scan# 2122
 Delta R.T. 0.01 min
 Lab File: BM012440.D
 Acq: 25 Oct 2017 11:51

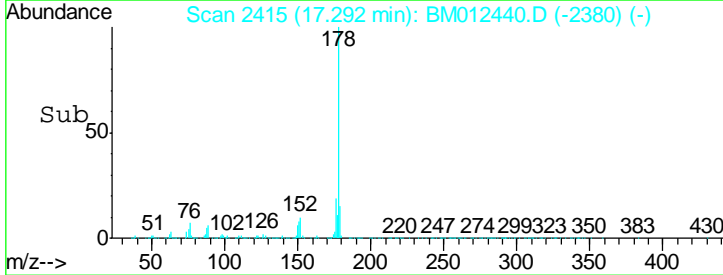
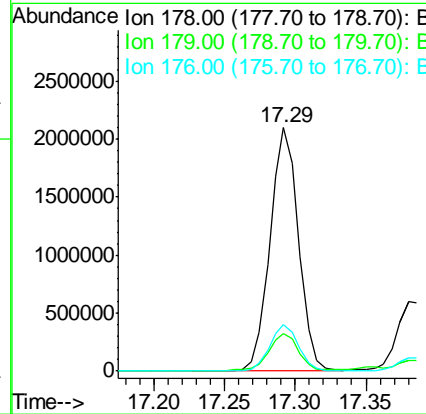
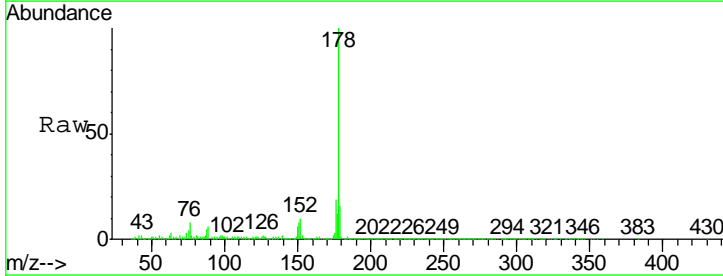
Instrument :
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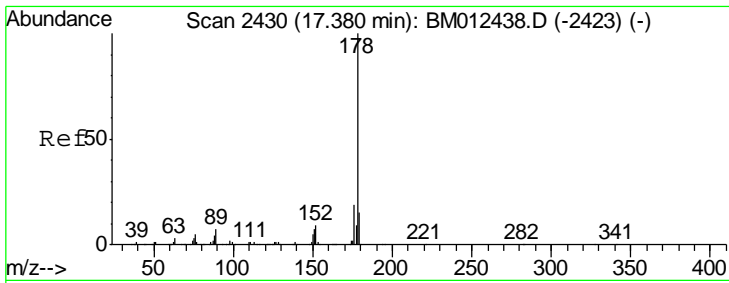
Tgt Ion	Resp	Lower	Upper
138	100		
92	60.7	40.0	60.0#
108	99.3	80.0	120.0



#69
 Phenanthrene
 Concen: 14.22 ng/ul
 RT: 17.29 min Scan# 2415
 Delta R.T. 0.01 min
 Lab File: BM012440.D
 Acq: 25 Oct 2017 11:51

Tgt Ion	Resp	Lower	Upper
178	100		
179	15.6	12.6	19.0
176	19.0	14.9	22.3

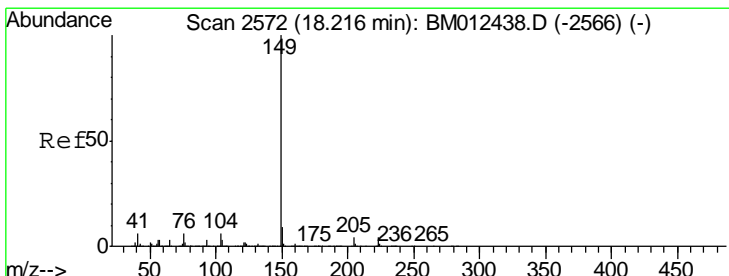
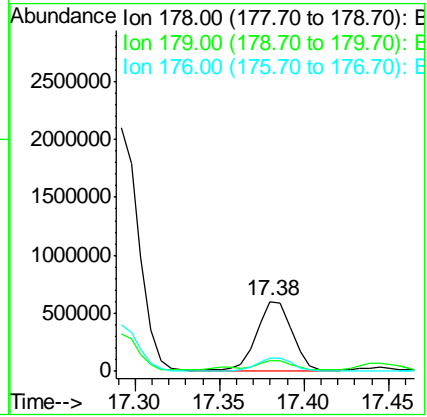
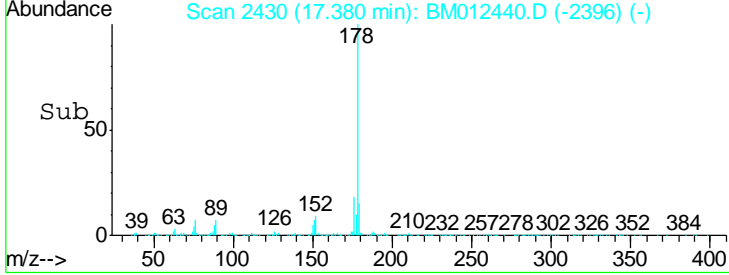
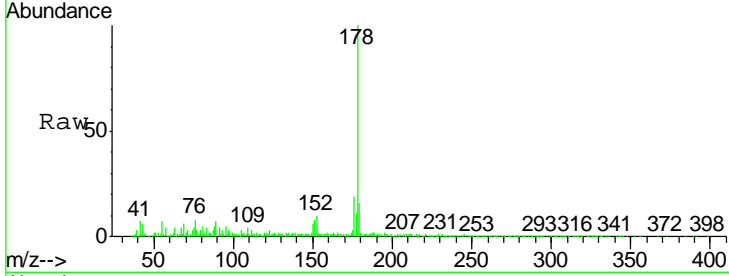




#71
 Anthracene
 Concen: 4.02 ng/ul
 RT: 17.38 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: BM012440.D
 Acq: 25 Oct 2017 11:51

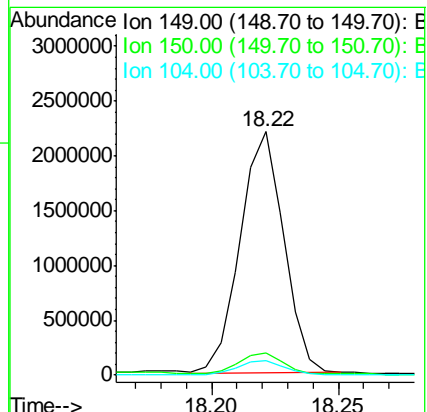
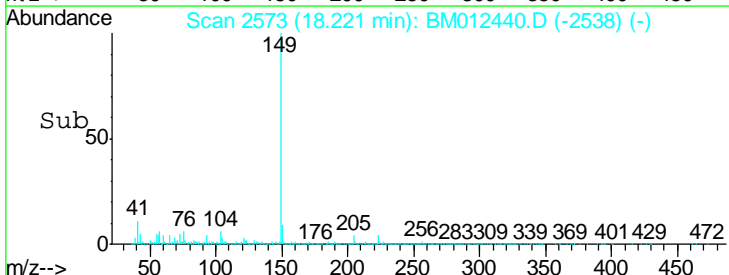
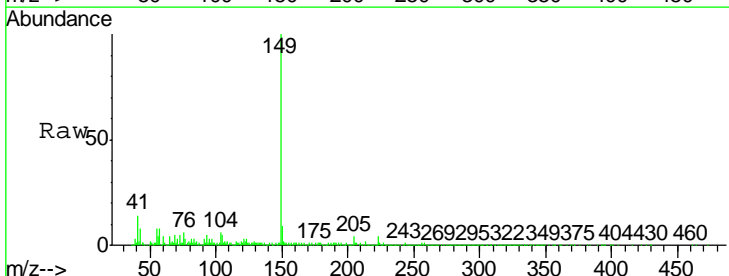
Instrument :
 BNA_M
 ClientSampled :

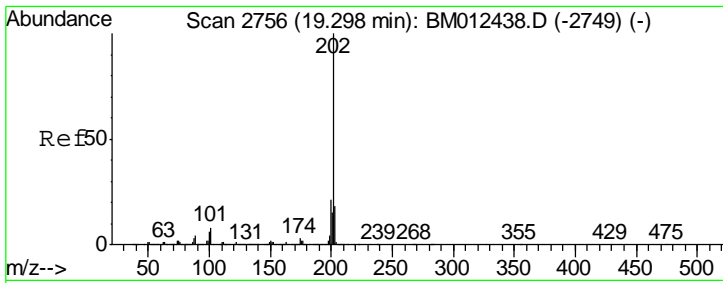
Tgt Ion	Resp	Lower	Upper
178	100		
179	15.7	11.7	17.5
176	18.6	14.6	21.8



#73
 Di-n-butylphthalate
 Concen: 11.62 ng/ul
 RT: 18.22 min Scan# 2573
 Delta R.T. 0.01 min
 Lab File: BM012440.D
 Acq: 25 Oct 2017 11:51

Tgt Ion	Resp	Lower	Upper
149	100		
150	9.4	7.1	10.7
104	5.8	5.6	8.4

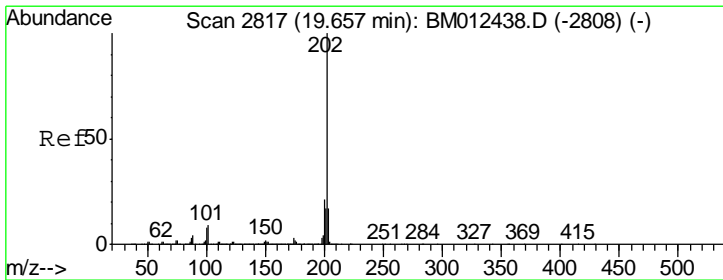
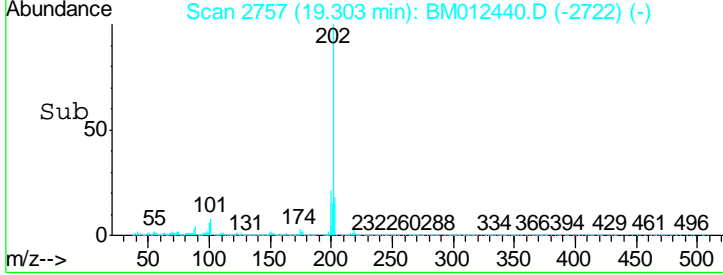
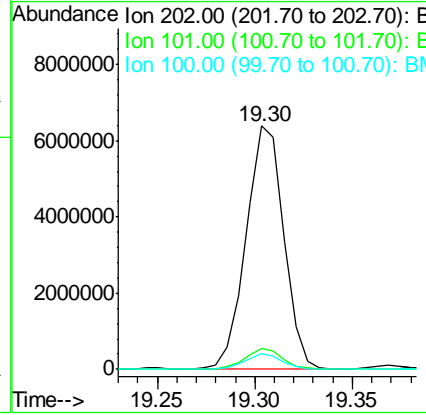
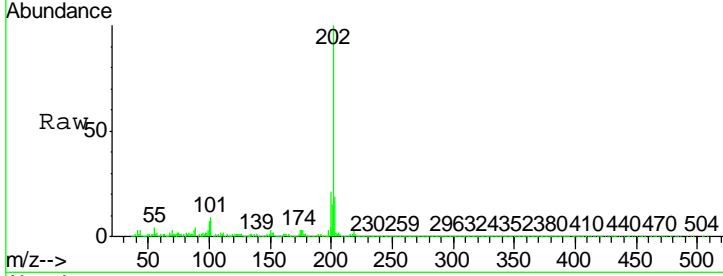




#74
 Fluoranthene
 Concen: 36.11 ng/ul
 RT: 19.30 min Scan# 2757
 Delta R.T. 0.01 min
 Lab File: BM012440.D
 Acq: 25 Oct 2017 11:51

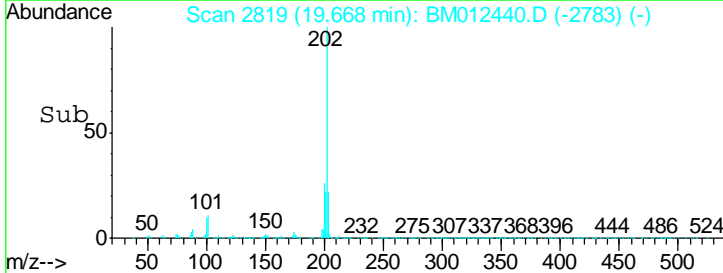
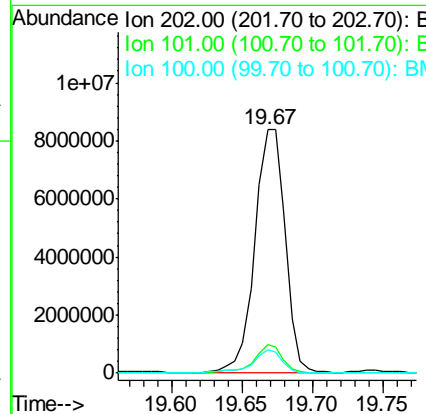
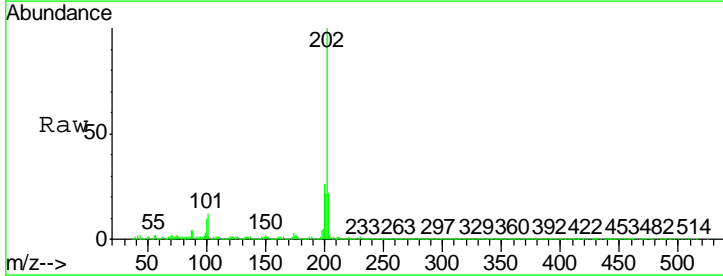
Instrument :
 BNA_M
 ClientSampled :

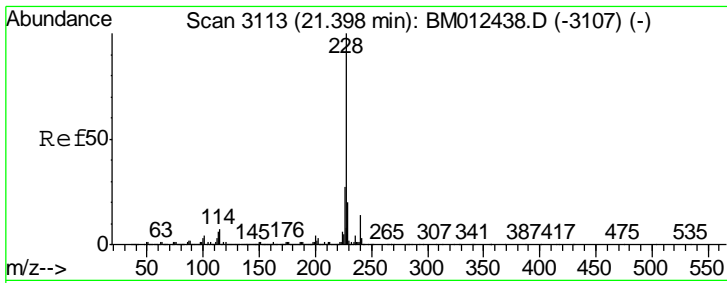
Tgt Ion	Resp	Lower	Upper
202	100		
101	8.6	4.6	7.0#
100	6.6	3.4	5.2#



#77
 Pyrene
 Concen: 57.69 ng/ul
 RT: 19.67 min Scan# 2819
 Delta R.T. 0.01 min
 Lab File: BM012440.D
 Acq: 25 Oct 2017 11:51

Tgt Ion	Resp	Lower	Upper
202	100		
101	11.7	5.1	7.7#
100	9.6	4.9	7.3#



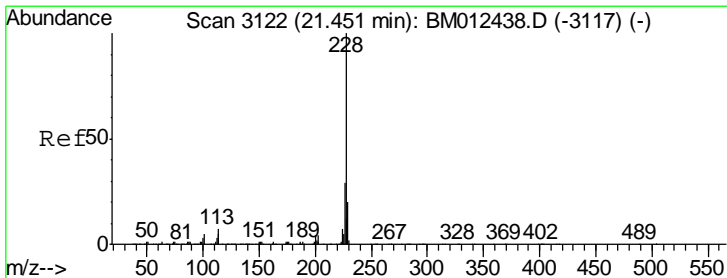
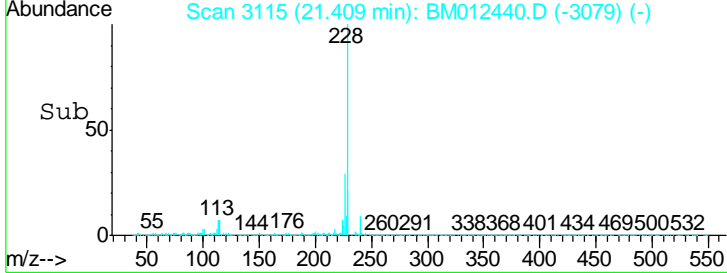
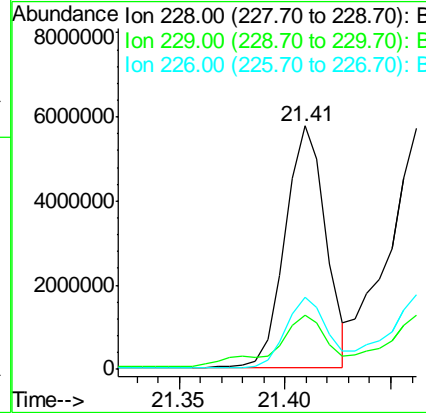
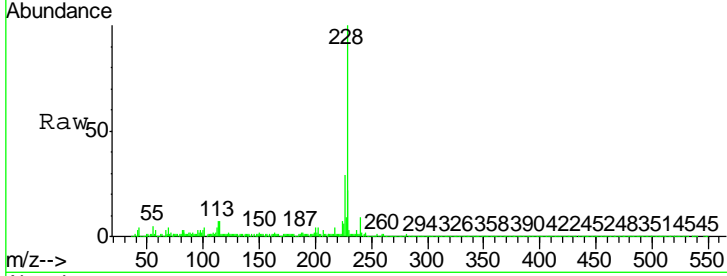


#80
 Benzo(a)anthracene
 Concen: 33.33 ng/ul
 RT: 21.41 min Scan# 3115
 Delta R.T. 0.01 min
 Lab File: BM012440.D
 Acq: 25 Oct 2017 11:51

Instrument :
 BNA_M
 ClientSampled :

Tgt Ion: 228 Resp: 7712047

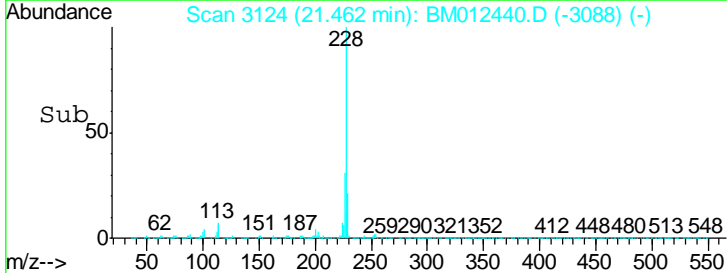
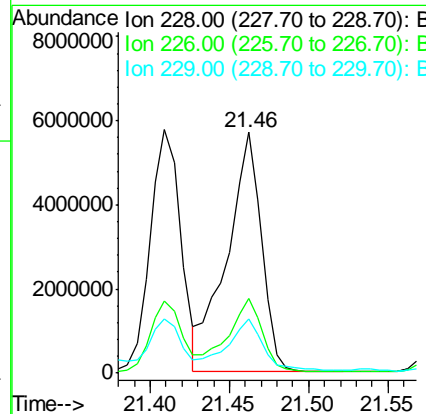
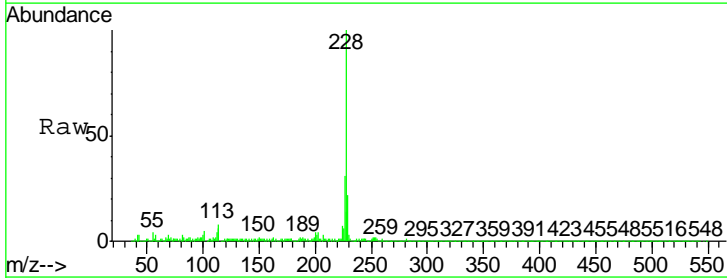
Ion	Ratio	Lower	Upper
228	100		
229	22.3	15.4	23.0
226	29.4	21.4	32.0

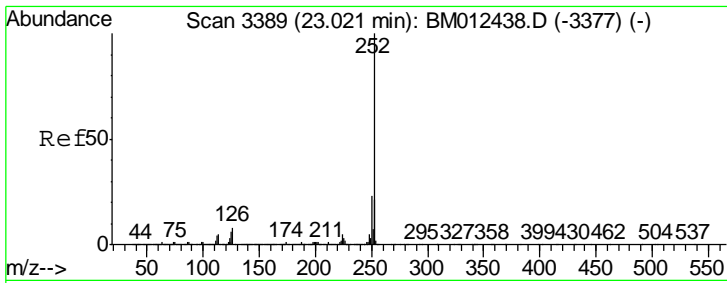


#82
 Chrysene
 Concen: 41.95 ng/ul
 RT: 21.46 min Scan# 3124
 Delta R.T. 0.01 min
 Lab File: BM012440.D
 Acq: 25 Oct 2017 11:51

Tgt Ion: 228 Resp: 8629805

Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.4	35.2
229	22.2	15.5	23.3



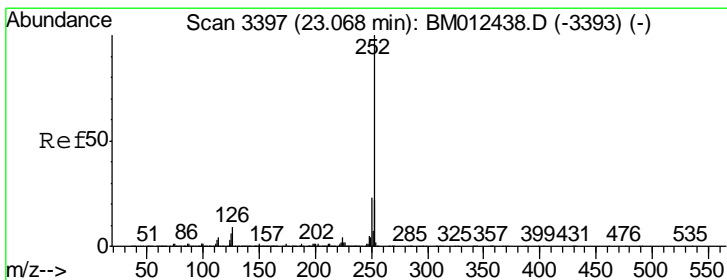
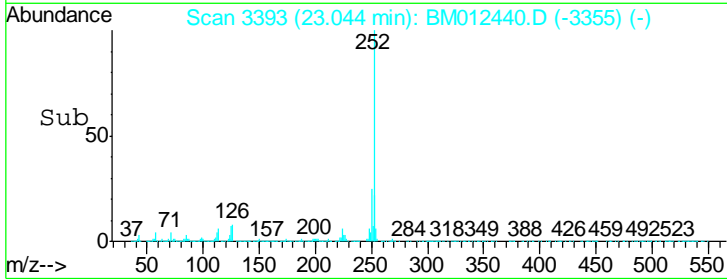
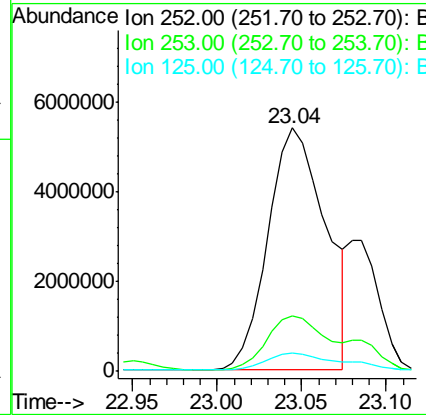
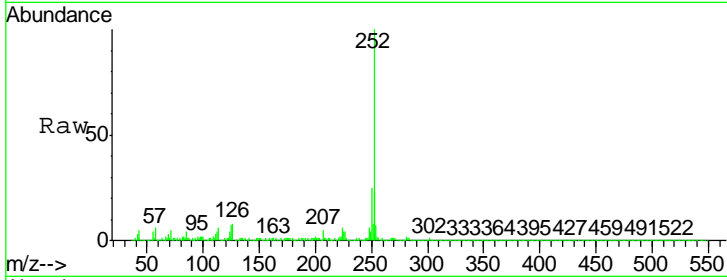


#85
 Benzo(b)fluoranthene
 Concen: 63.58 ng/ul
 RT: 23.04 min Scan# 3393
 Delta R.T. 0.02 min
 Lab File: BM012440.D
 Acq: 25 Oct 2017 11:51

Instrument :
 BNA_M
 ClientSampled :

Tgt Ion: 252 Resp: 12800459

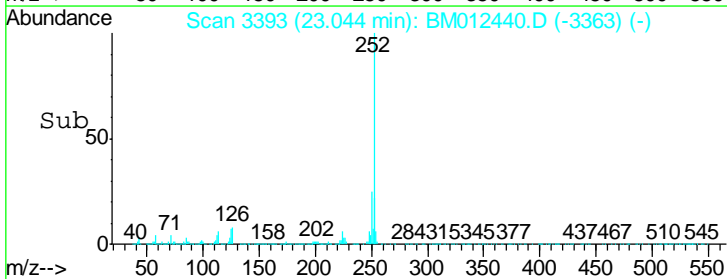
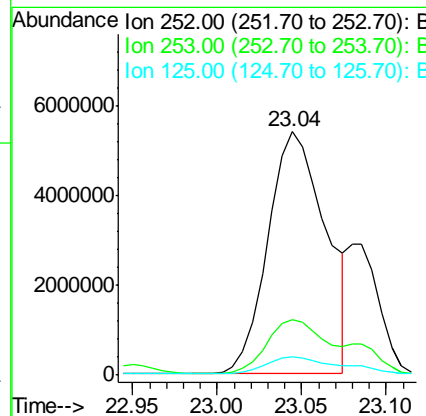
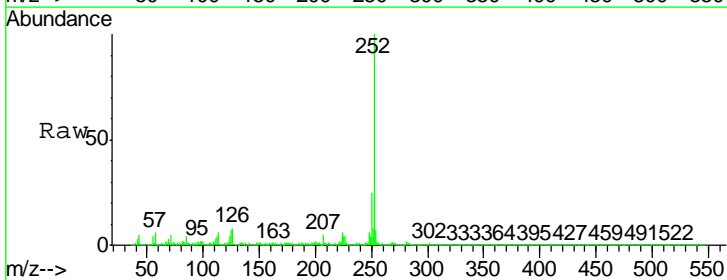
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	7.4	3.6	5.4

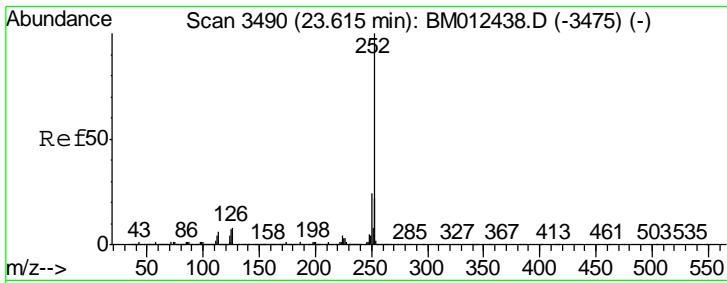


#86
 Benzo(k)fluoranthene
 Concen: 67.55 ng/ul
 RT: 23.04 min Scan# 3393
 Delta R.T. -0.02 min
 Lab File: BM012440.D
 Acq: 25 Oct 2017 11:51

Tgt Ion: 252 Resp: 12800459

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	7.4	3.4	5.2



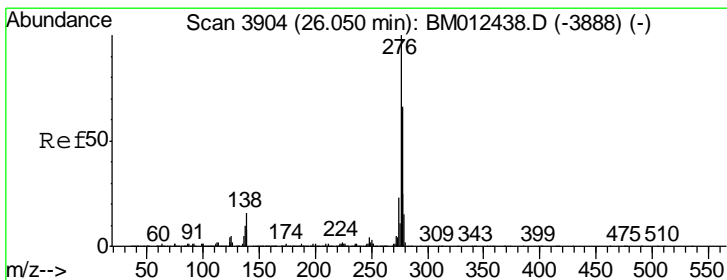
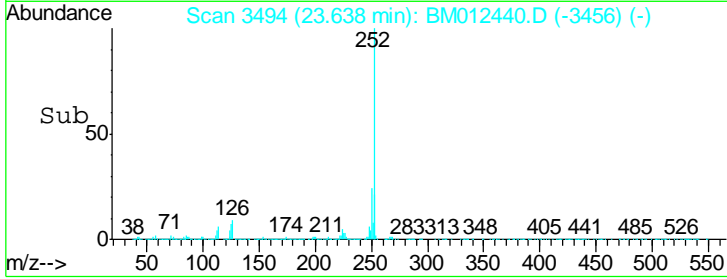
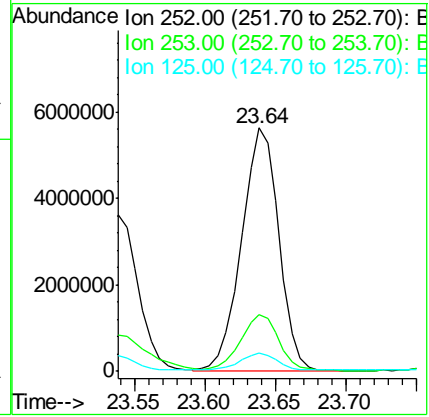
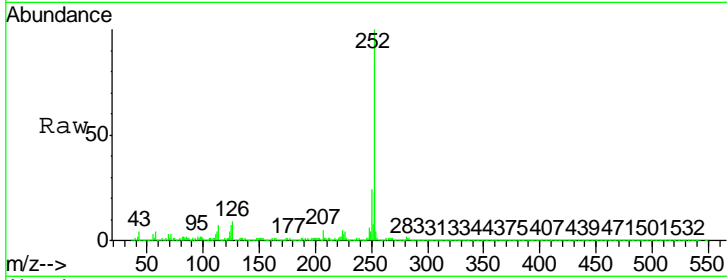


#88
 Benzo(a)pyrene
 Concen: 53.72 ng/ul
 RT: 23.64 min Scan# 3494
 Delta R.T. 0.02 min
 Lab File: BM012440.D
 Acq: 25 Oct 2017 11:51

Instrument :
 BNA_M
 ClientSampled :

Tgt Ion: 252 Resp: 10312452

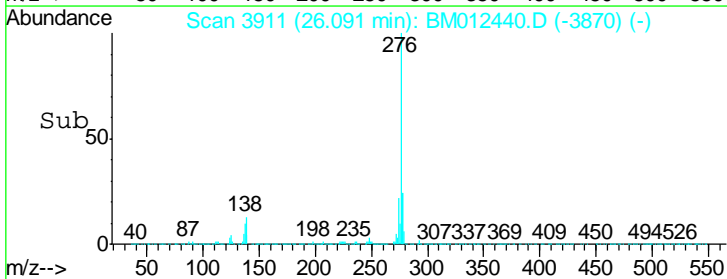
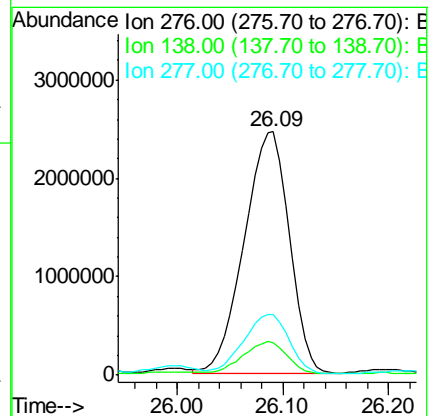
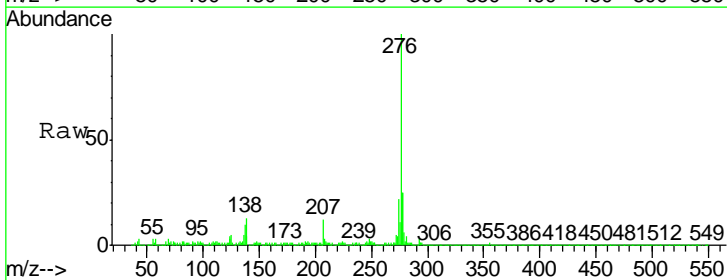
Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	7.4	4.0	6.0

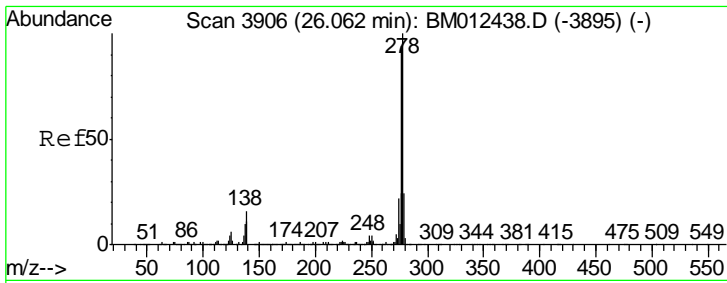


#89
 Indeno(1,2,3-cd)pyrene
 Concen: 32.28 ng/ul
 RT: 26.09 min Scan# 3911
 Delta R.T. 0.04 min
 Lab File: BM012440.D
 Acq: 25 Oct 2017 11:51

Tgt Ion: 276 Resp: 7292609

Ion	Ratio	Lower	Upper
276	100		
138	13.5	9.3	13.9
277	24.7	19.9	29.9

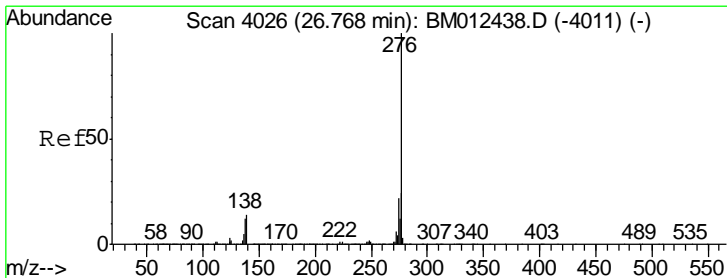
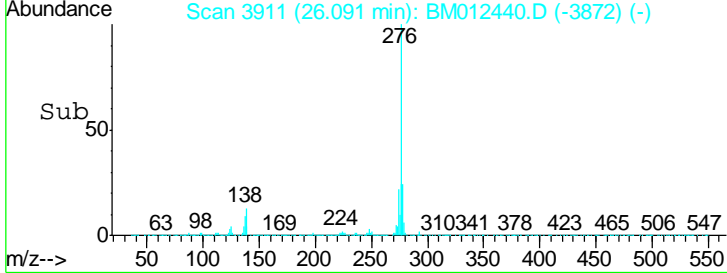
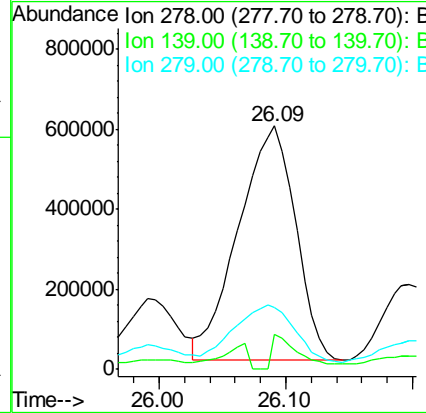
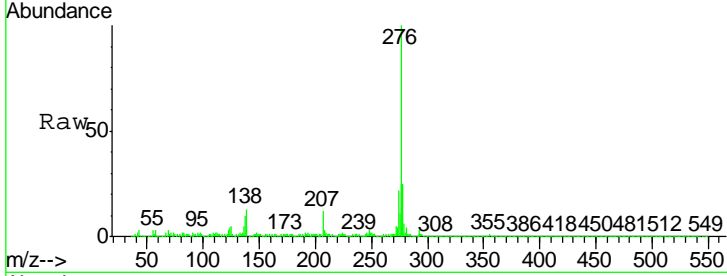




#90
 Dibenzo(a,h)anthracene
 Concen: 9.61 ng/ul
 RT: 26.09 min Scan# 3911
 Delta R.T. 0.03 min
 Lab File: BM012440.D
 Acq: 25 Oct 2017 11:51

Instrument :
 BNA_M
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
278	1839948		
139	14.4	5.8	8.8#
279	25.2	18.6	27.8



#91
 Benzo(g,h,i)perylene
 Concen: 33.77 ng/ul
 RT: 26.81 min Scan# 4033
 Delta R.T. 0.04 min
 Lab File: BM012440.D
 Acq: 25 Oct 2017 11:51

Tgt Ion	Resp	Lower	Upper
276	6183296		
138	13.6	8.5	12.7#
277	24.7	18.6	28.0

