

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
 Data File : BM005017.D
 Acq On : 21 Apr 2016 07:45
 Operator : UM/SJ
 Sample : H2567-05
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC7M3

Manual Integrations
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Quant Time: Apr 21 17:35:37 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 15 22:59:24 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	61025	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	138304	20.00	ng/ul	0.03
35) Acenaphthene-d10	14.45	164	133803	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	248158	20.00	ng/ul	0.01
75) Chrysene-d12	21.39	240	218033	20.00	ng/ul	0.01
83) Perylene-d12	23.67	264	264967	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	3536	3.10	ng/uL	0.00
5) Phenol-d5	6.97	99	55669	12.78	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	101014	40.44	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	129273	35.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	87343	24.27	ng/ul	0.00
19) Nitrobenzene-d5	8.98	128	77352	84.45	ng/ul	0.01
22) 2-Nitrophenol-d4	9.70	143	77458	75.13	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.26	165	126894	67.78	ng/ul	0.04
29) 4-Chloroaniline-d4	10.82	131	70050m	33.21	ng/ul	0.08
43) Dimethylphthalate-d6	13.86	166	360538	39.61	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	445474	39.91	ng/ul	0.00
51) 4-Nitrophenol-d4	14.66	143	22122	14.24	ng/ul	0.02
57) Fluorene-d10	15.44	176	306553	38.99	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.59	200	40961	38.16	ng/ul	0.03
70) Anthracene-d10	17.32	188	391327	39.69	ng/ul	0.02
76) Pyrene-d10	19.60	212	383214	42.18	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.53	264	446573	43.77	ng/ul	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.34	88	6624	3.19	ng/uL	99
28) Naphthalene	10.79	128	26049614m	4227.43	ng/ul	
34) 2-Methylnaphthalene	12.32	142	5539788	1233.73	ng/ul	97
40) 1,1'-Biphenyl	13.29	154	1651111	172.02	ng/ul	97
44) Dimethylphthalate	13.91	163	27236	3.01	ng/ul	98
47) Acenaphthylene	14.17	152	273788	23.10	ng/ul#	91
49) Acenaphthene	14.54	153	3218094	417.09	ng/ul	98
53) Dibenzofuran	14.87	168	3587365	321.26	ng/ul	91
58) Fluorene	15.52	166	2699454	314.33	ng/ul	99
69) Phenanthrene	17.29	178	7723594	666.95	ng/ul	98
71) Anthracene	17.35	178	1468327	125.35	ng/ul	99
72) Carbazole	17.62	167	1760673	178.53	ng/ul	97
74) Fluoranthene	19.29	202	5254029	440.42	ng/ul	96
77) Pyrene	19.64	202	4204173	364.73	ng/ul#	94
80) Benzo(a)anthracene	21.37	228	1742311	162.19	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.29	149	43274	7.10	ng/ul	96
82) Chrysene	21.43	228	1262853	124.09	ng/ul	97
85) Benzo(b)fluoranthene	22.99	252	1265684	96.29	ng/ul	99
86) Benzo(k)fluoranthene	23.03	252	496139m	39.14	ng/ul	
88) Benzo(a)pyrene	23.58	252	832616	66.15	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.98	276	324607	23.18	ng/ul#	94
90) Dibenzo(a,h)anthracene	25.99	278	90940	7.75	ng/ul#	83
91) Benzo(g,h,i)perylene	26.69	276	261830	22.20	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

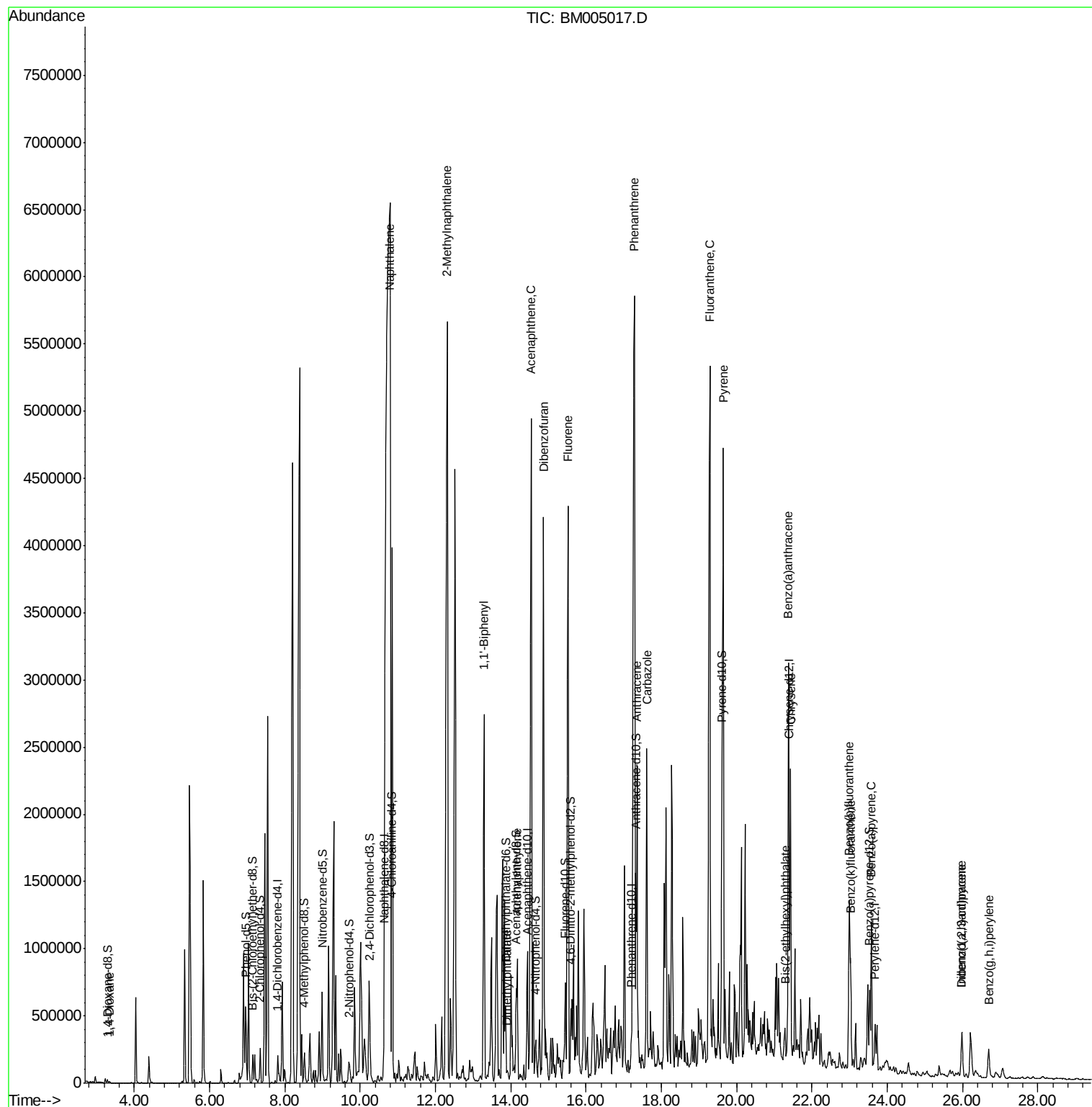
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
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Sample : H2567-05
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ALS Vial : 32 Sample Multiplier: 1

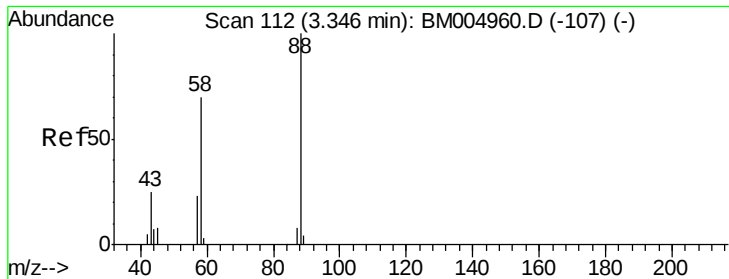
Instrument :
BNA_M
ClientSampled :
BC7M3

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#2

1,4-Dioxane

Concen: 3.19 ng/uL

RT: 3.34 min Scan# 111

Delta R.T. 0.00 min

Lab File: BM005017.D

Acq: 21 Apr 2016 07:45

Instrument :

BNA_M

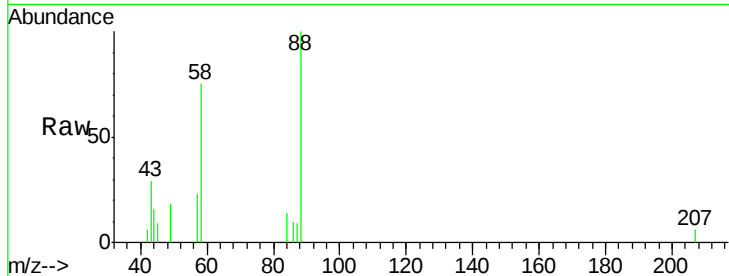
ClientSampleId :

BC7M3

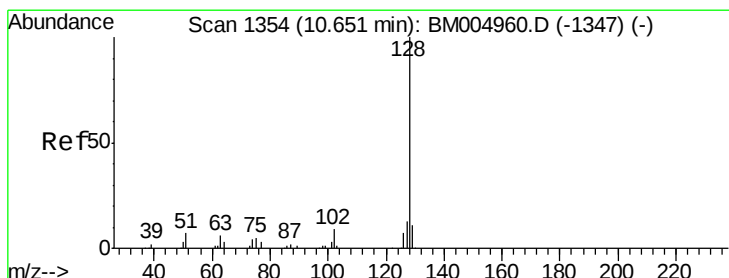
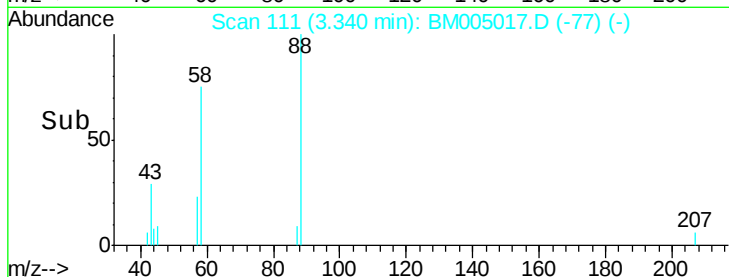
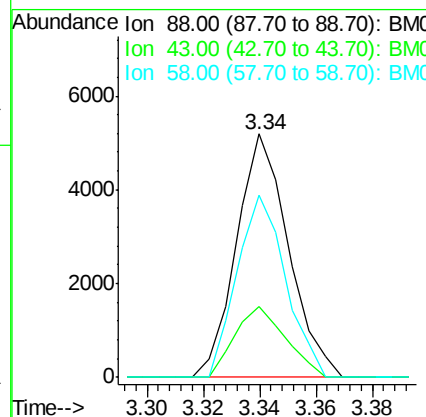
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Tgt Ion:	88	Resp:	6624
Ion	Ratio	Lower	Upper
88	100		
43	28.3	23.0	34.4
58	69.8	55.4	83.2



#28

Naphthalene

Concen: 4227.43 ng/uL

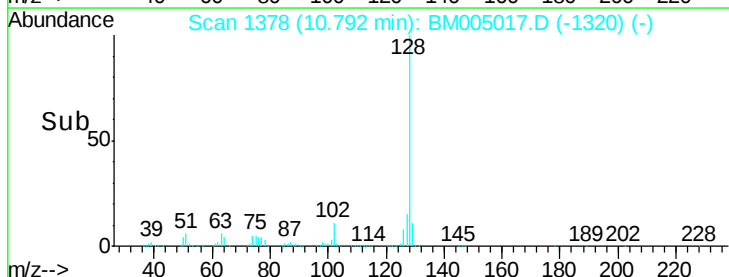
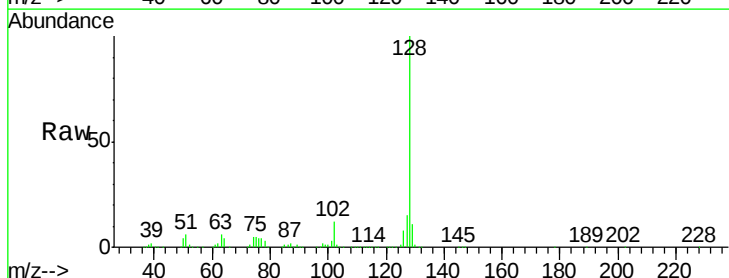
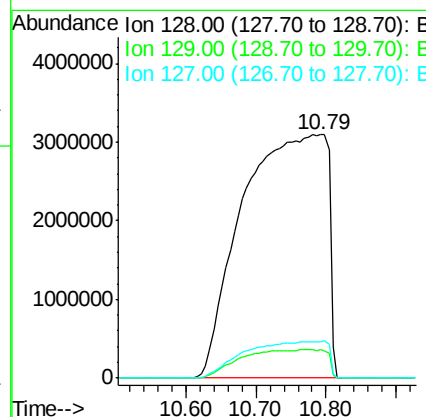
RT: 10.79 min Scan# 1378

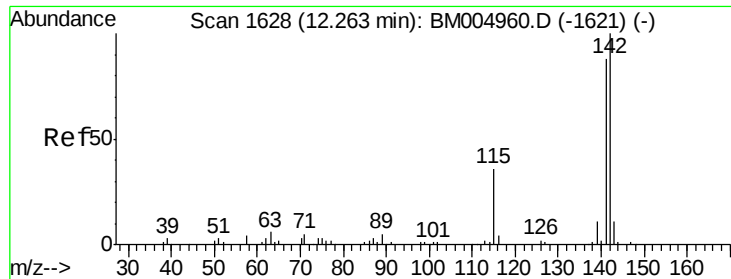
Delta R.T. 0.14 min

Lab File: BM005017.D

Acq: 21 Apr 2016 07:45

Tgt Ion:	128	Resp:	26049614
Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.7	13.1
127	15.1	10.6	15.8





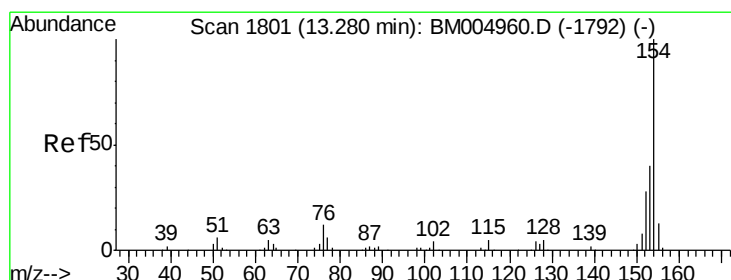
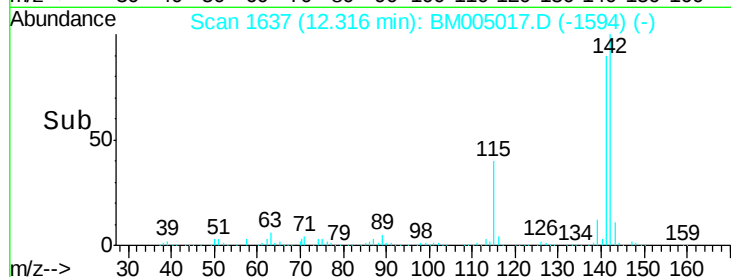
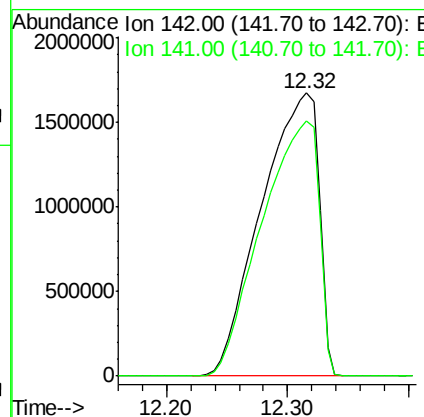
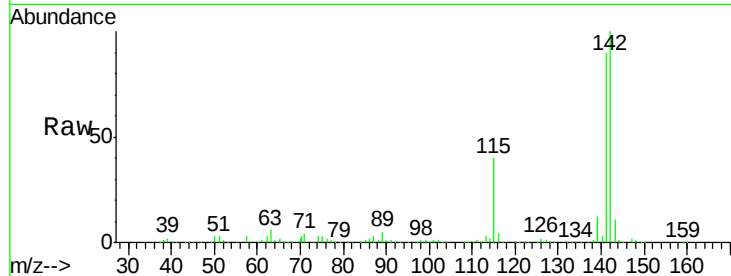
#34
 2-Methylnaphthalene
 Concen: 1233.73 ng/ul
 RT: 12.32 min Scan# 1637
 Delta R.T. 0.05 min
 Lab File: BM005017.D
 Acq: 21 Apr 2016 07:45

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 BC7M3

Tgt Ion:142 Resp: 5539788
 Ion Ratio Lower Upper
 142 100
 141 90.4 70.3 105.5

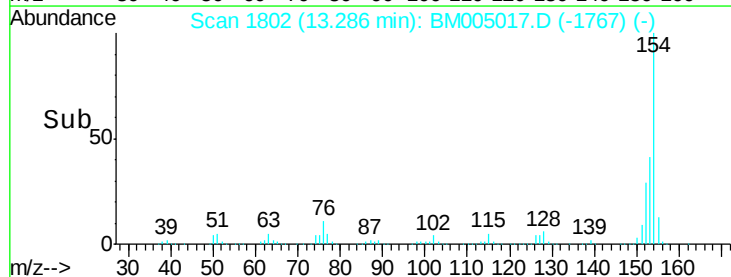
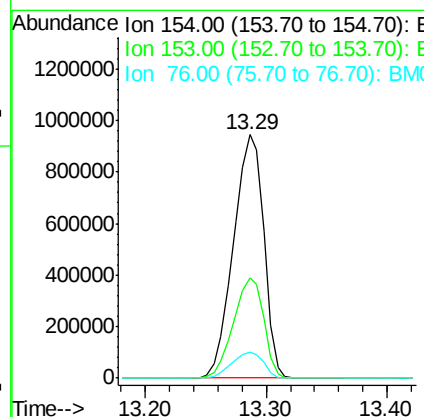
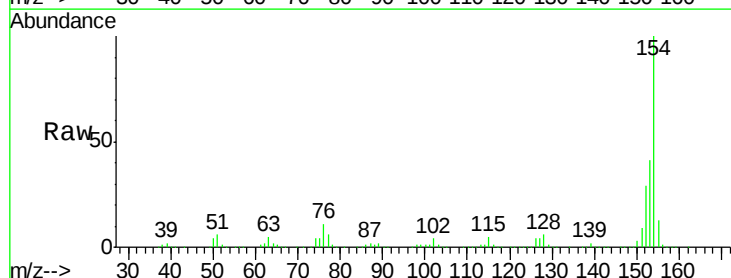
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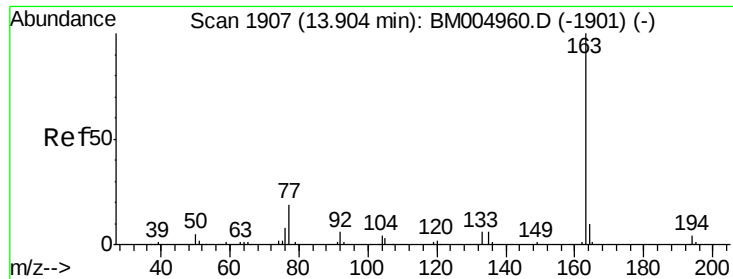
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#40
 1,1'-Biphenyl
 Concen: 172.02 ng/ul
 RT: 13.29 min Scan# 1802
 Delta R.T. 0.01 min
 Lab File: BM005017.D
 Acq: 21 Apr 2016 07:45

Tgt Ion:154 Resp: 1651111
 Ion Ratio Lower Upper
 154 100
 153 40.9 31.5 47.3
 76 10.6 10.1 15.1





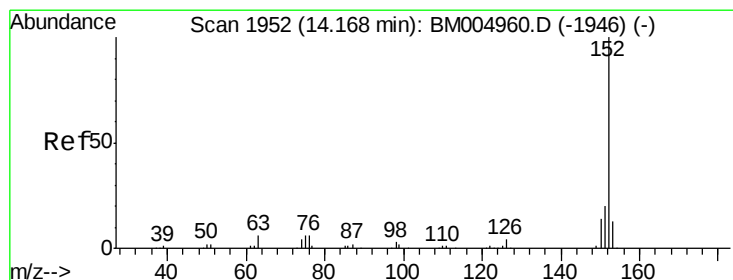
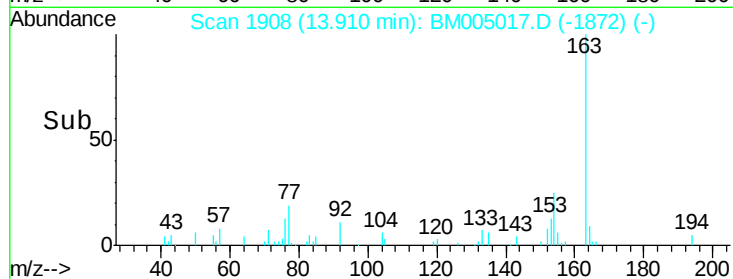
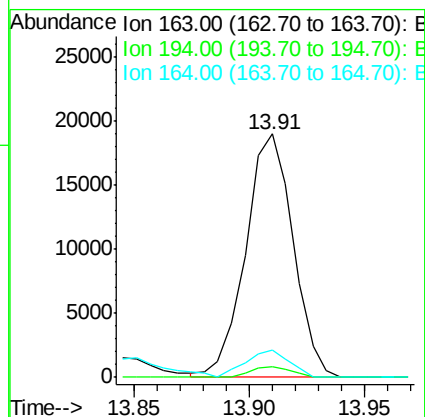
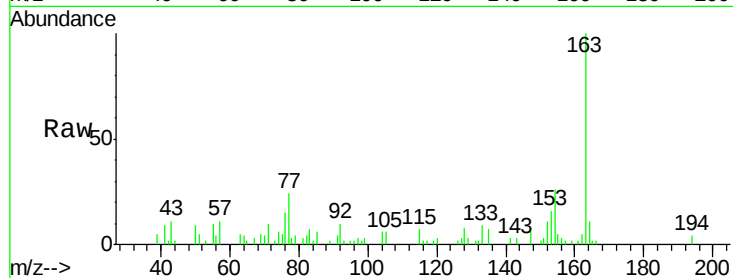
#44
Dimethylphthalate
Concen: 3.01 ng/ul
RT: 13.91 min Scan# 1908
Delta R.T. 0.01 min
Lab File: BM005017.D
Acq: 21 Apr 2016 07:45

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Tgt Ion:	163	Resp:	27236
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.3	4.9
164	11.0	8.2	12.2

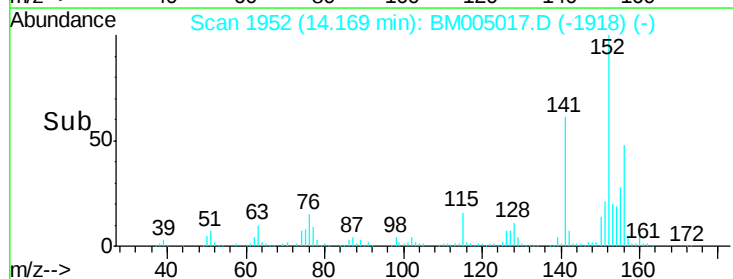
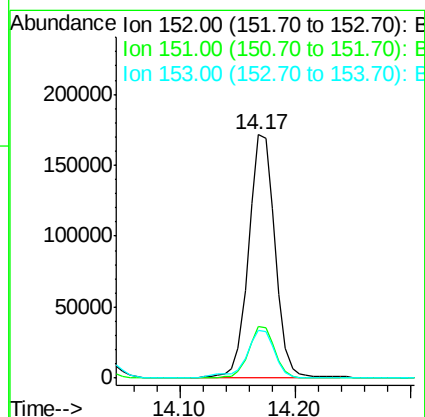
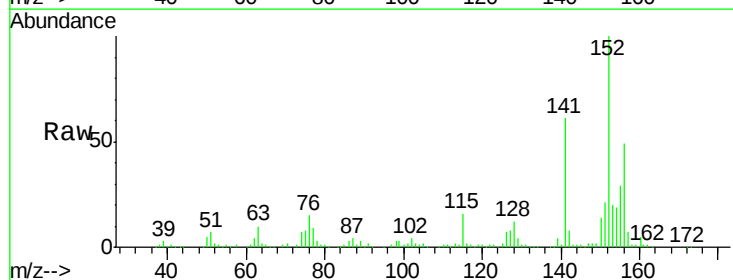
Manual Integrations
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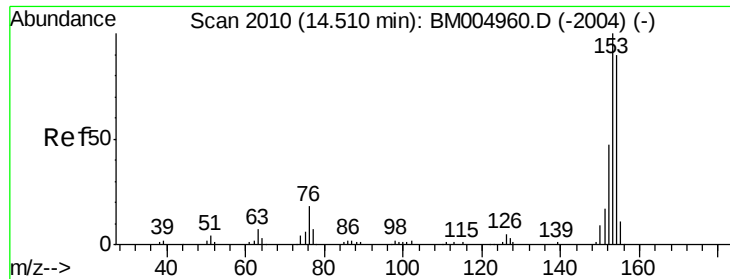
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#47
Acenaphthylene
Concen: 23.10 ng/ul
RT: 14.17 min Scan# 1952
Delta R.T. 0.00 min
Lab File: BM005017.D
Acq: 21 Apr 2016 07:45

Tgt Ion:	152	Resp:	273788
Ion Ratio	Lower	Upper	
152	100		
151	21.4	15.8	23.8
153	19.9	10.3	15.5#





#49

Acenaphthene

Concen: 417.09 ng/ul

RT: 14.54 min Scan# 2016

Delta R.T. 0.04 min

Lab File: BM005017.D

Acq: 21 Apr 2016 07:45

Instrument :

BNA_M

ClientSampleId :

BC7M3

Tgt Ion:153 Resp: 3218094

Ion Ratio Lower Upper

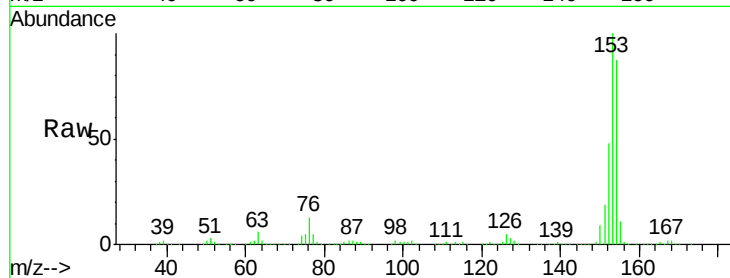
153 100

152 47.9 37.7 56.5

154 87.0 71.4 107.2

Manual Integrations
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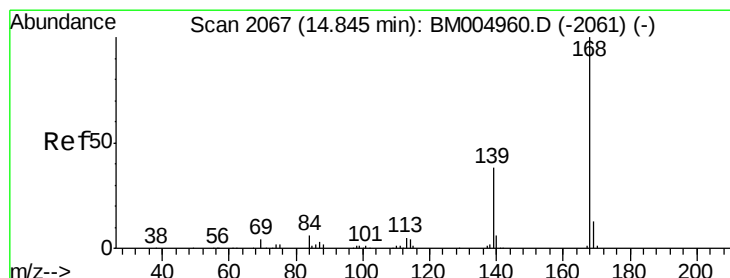
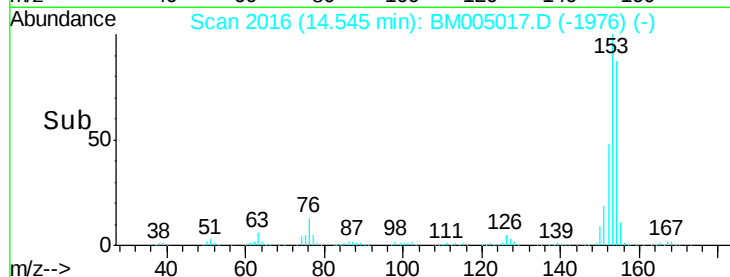
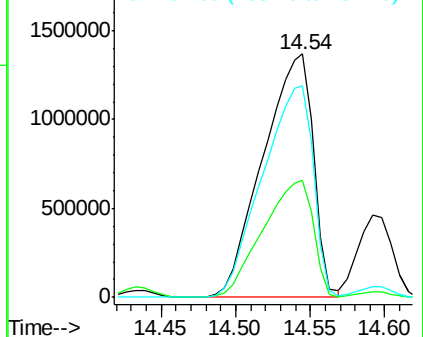
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 321.26 ng/ul

RT: 14.87 min Scan# 2071

Delta R.T. 0.02 min

Lab File: BM005017.D

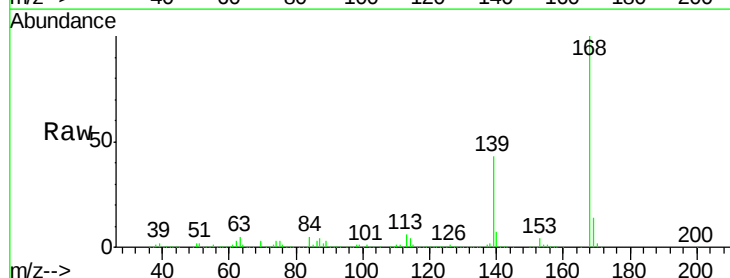
Acq: 21 Apr 2016 07:45

Tgt Ion:168 Resp: 3587365

Ion Ratio Lower Upper

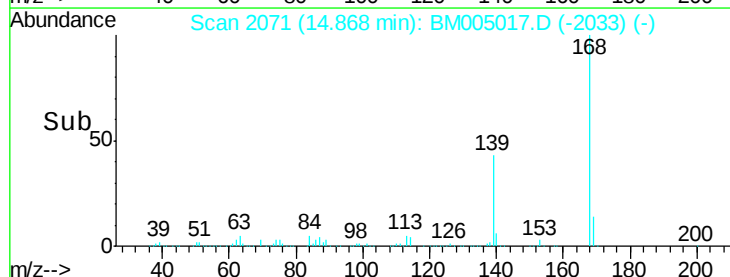
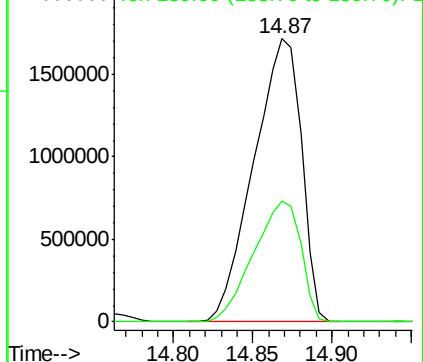
168 100

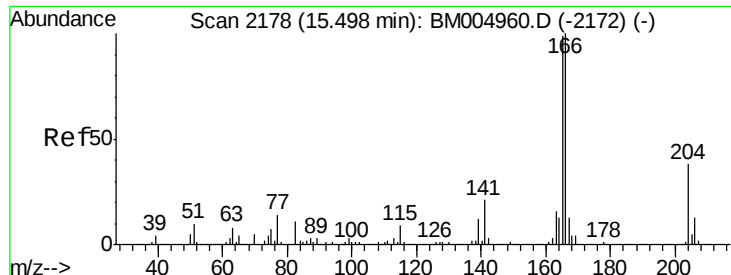
139 42.7 29.9 44.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





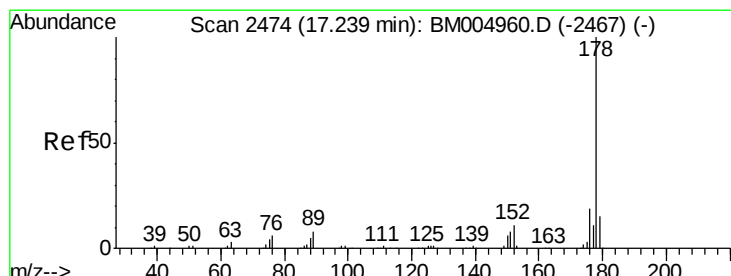
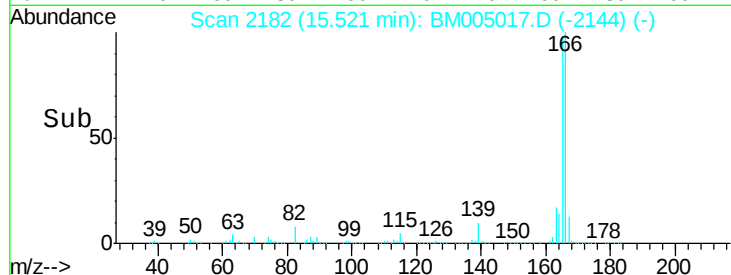
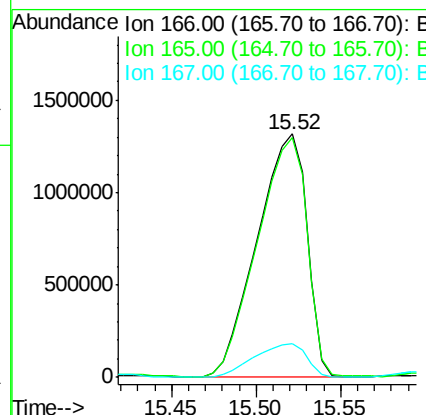
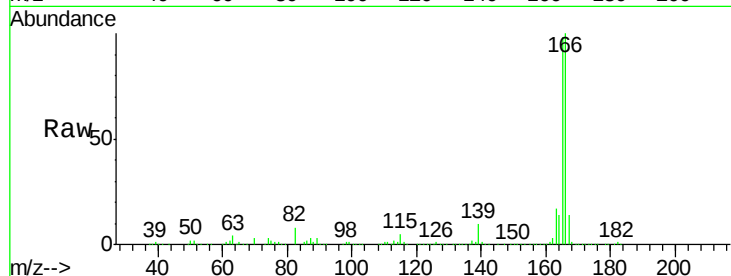
#58
 Fluorene
 Concen: 314.33 ng/ul
 RT: 15.52 min Scan# 2182
 Delta R.T. 0.02 min
 Lab File: BM005017.D
 Acq: 21 Apr 2016 07:45

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Tgt Ion:166 Resp: 2699454
 Ion Ratio Lower Upper
 166 100
 165 98.5 77.7 116.5
 167 13.7 10.9 16.3

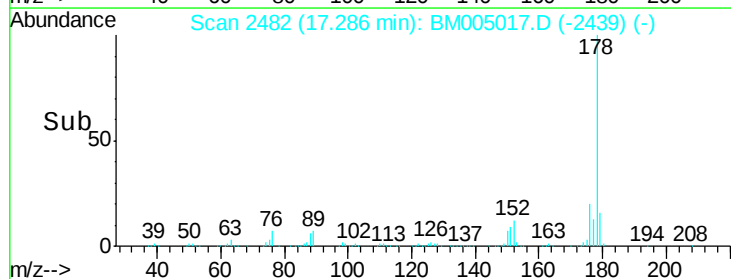
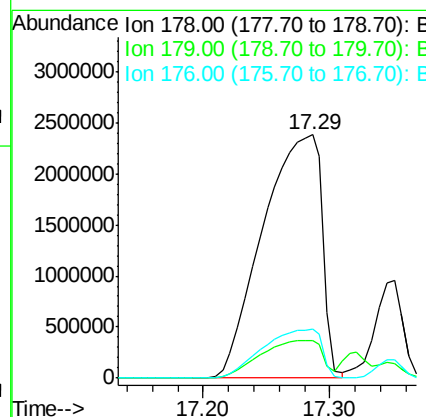
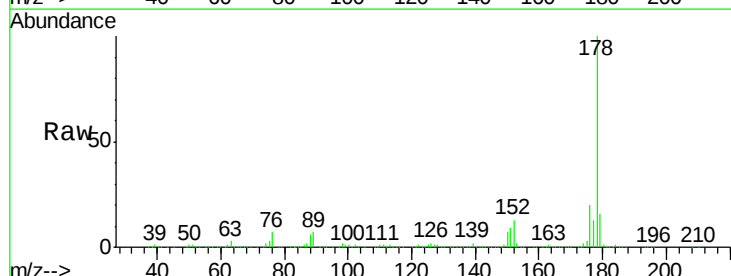
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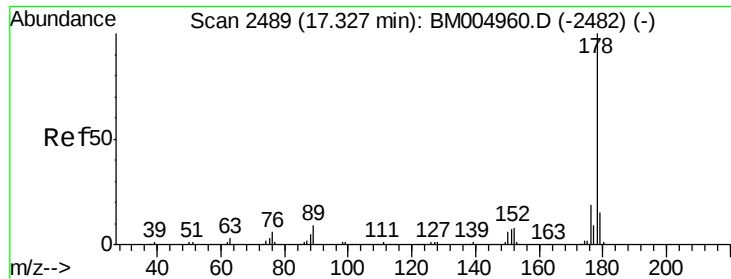
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#69
 Phenanthrene
 Concen: 666.95 ng/ul
 RT: 17.29 min Scan# 2482
 Delta R.T. 0.05 min
 Lab File: BM005017.D
 Acq: 21 Apr 2016 07:45

Tgt Ion:178 Resp: 7723594
 Ion Ratio Lower Upper
 178 100
 179 15.6 11.8 17.8
 176 19.9 15.2 22.8





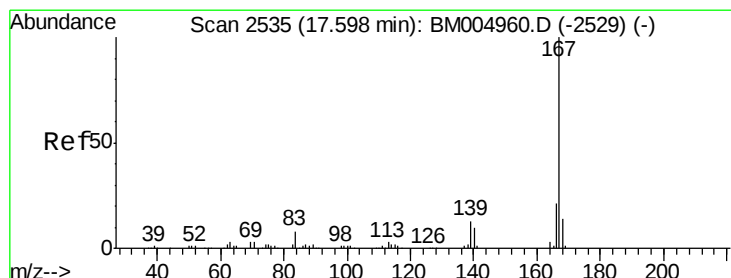
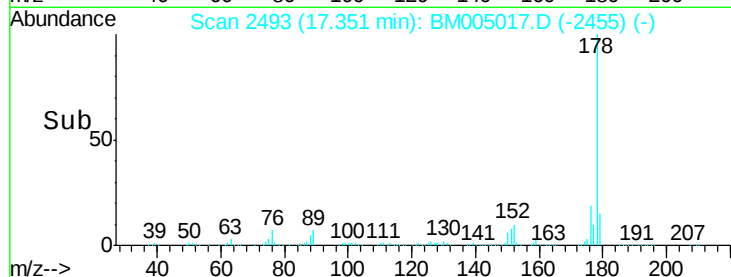
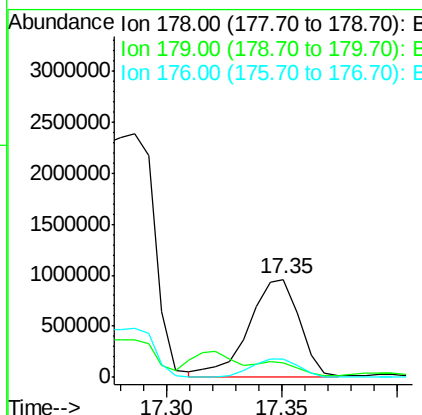
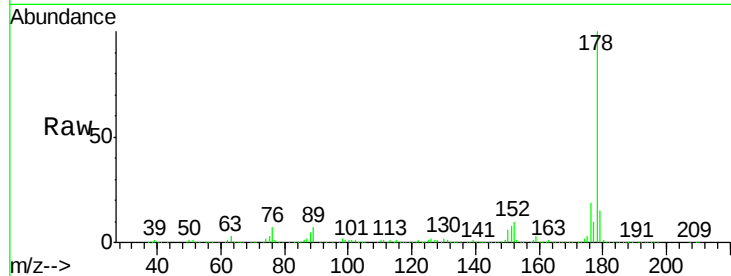
#71
 Anthracene
 Concen: 125.35 ng/ul
 RT: 17.35 min Scan# 2493
 Delta R.T. 0.02 min
 Lab File: BM005017.D
 Acq: 21 Apr 2016 07:45

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Tgt Ion:178 Resp: 1468327
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.1 18.1
 176 19.1 14.6 22.0

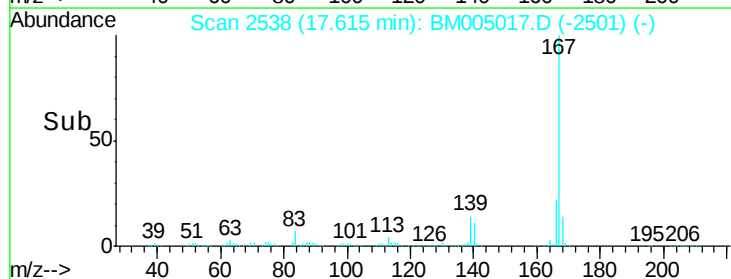
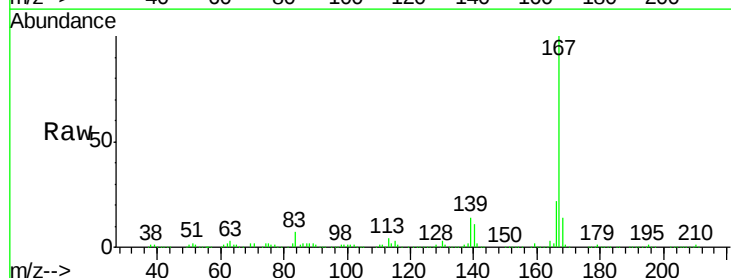
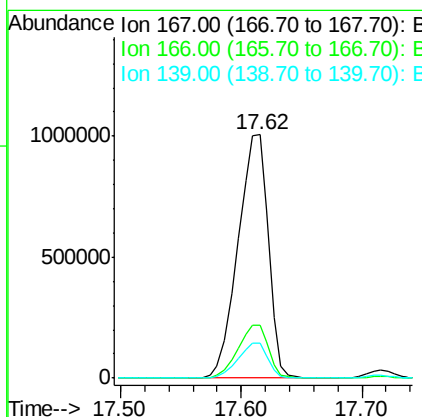
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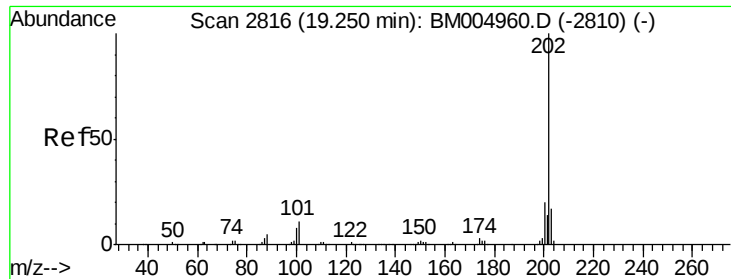
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#72
 Carbazole
 Concen: 178.53 ng/ul
 RT: 17.62 min Scan# 2538
 Delta R.T. 0.02 min
 Lab File: BM005017.D
 Acq: 21 Apr 2016 07:45

Tgt Ion:167 Resp: 1760673
 Ion Ratio Lower Upper
 167 100
 166 21.9 16.6 25.0
 139 14.2 10.2 15.4





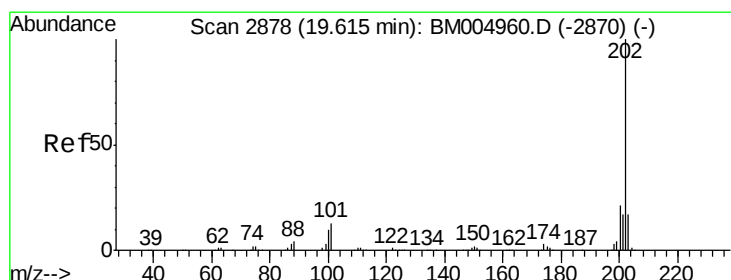
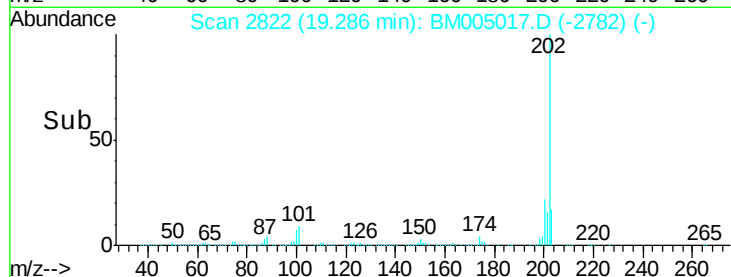
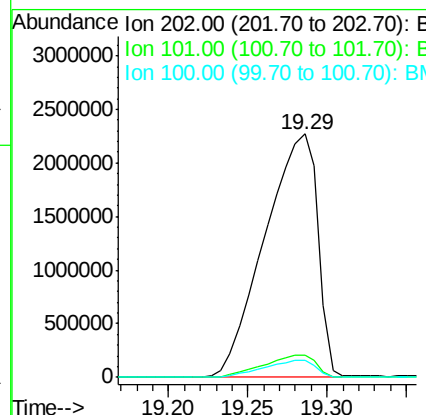
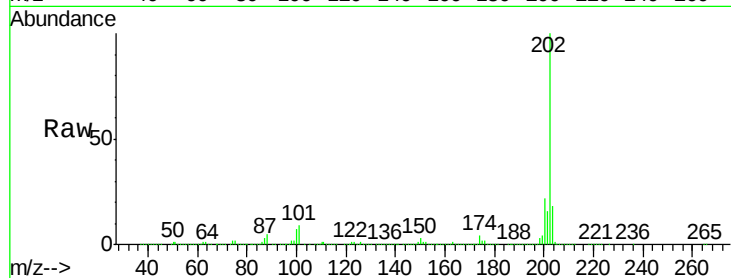
#74
 Fluoranthene
 Concen: 440.42 ng/ul
 RT: 19.29 min Scan# 2822
 Delta R.T. 0.04 min
 Lab File: BM005017.D
 Acq: 21 Apr 2016 07:45

Instrument :
 BNA_M
 ClientSampleId :
 BC7M3

Tgt Ion:202 Resp: 5254029
 Ion Ratio Lower Upper
 202 100
 101 9.3 9.0 13.4
 100 7.2 6.6 10.0

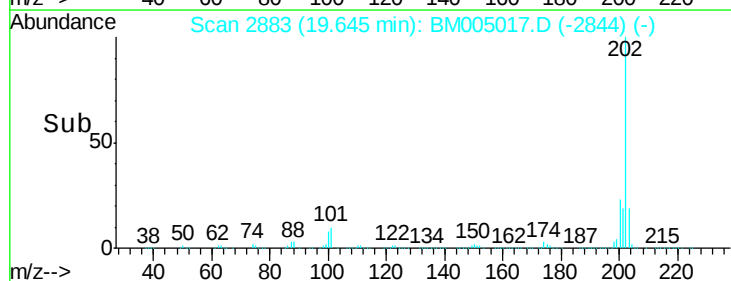
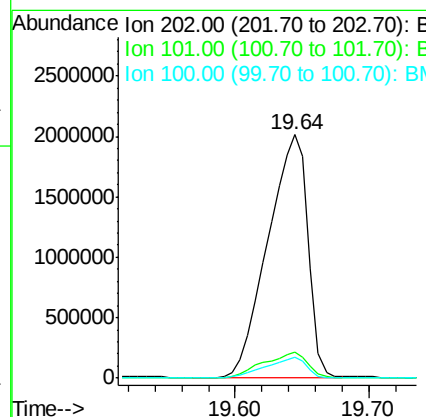
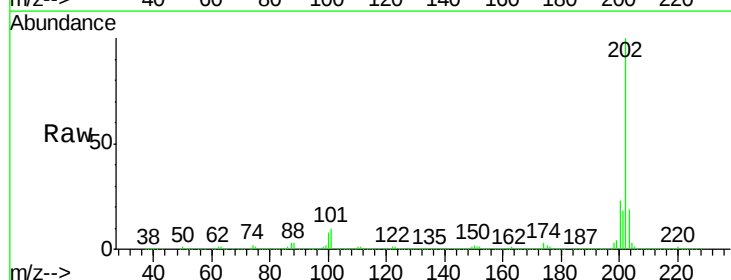
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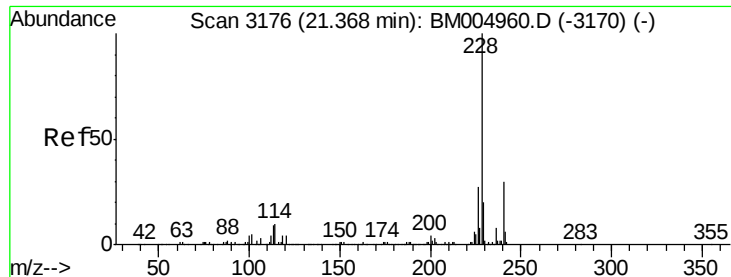
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#77
 Pyrene
 Concen: 364.73 ng/ul
 RT: 19.64 min Scan# 2883
 Delta R.T. 0.03 min
 Lab File: BM005017.D
 Acq: 21 Apr 2016 07:45

Tgt Ion:202 Resp: 4204173
 Ion Ratio Lower Upper
 202 100
 101 10.4 10.5 15.7#
 100 8.3 8.2 12.2





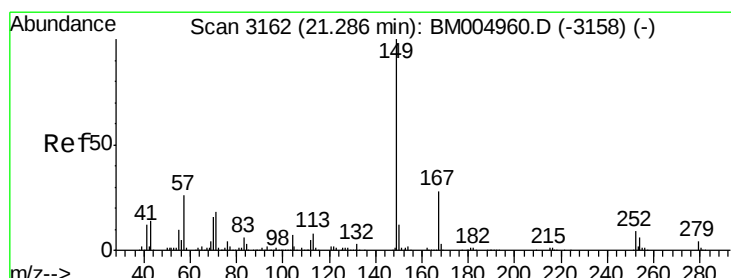
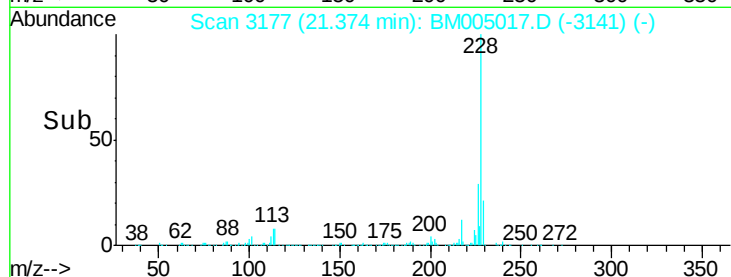
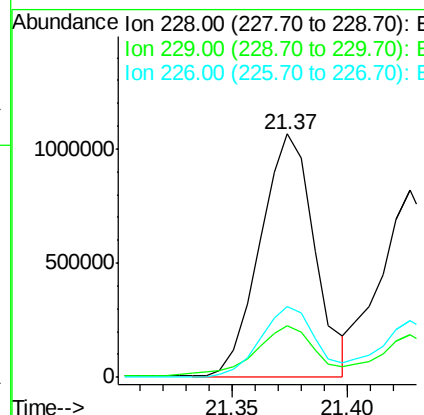
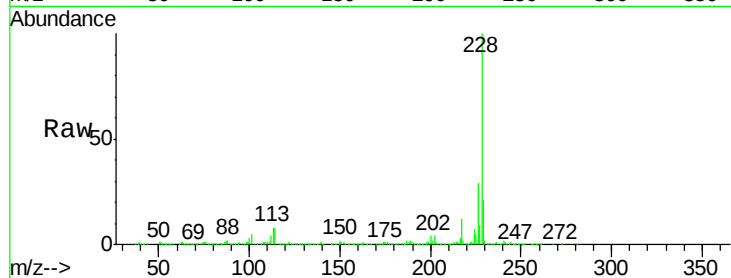
#80
Benzo(a)anthracene
Concen: 162.19 ng/ul
RT: 21.37 min Scan# 3177
Delta R.T. 0.01 min
Lab File: BM005017.D
Acq: 21 Apr 2016 07:45

Instrument :
BNA_M
ClientSampled :
BC7M3

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.8	23.6
226	28.8	21.5	32.3

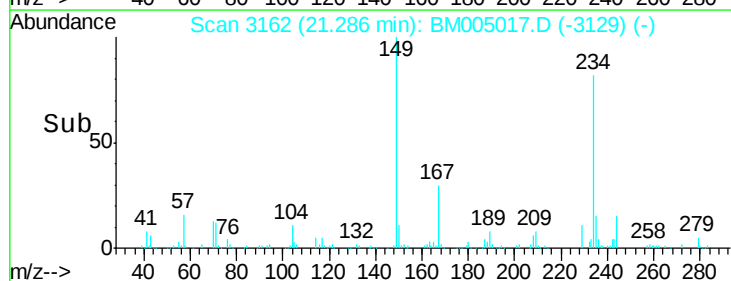
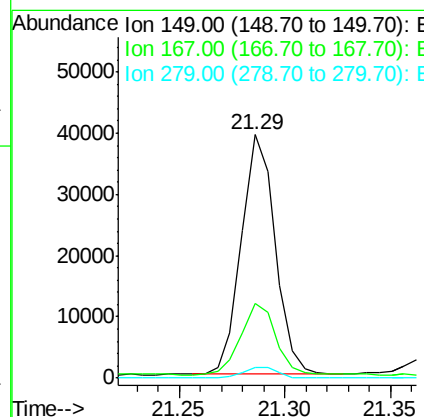
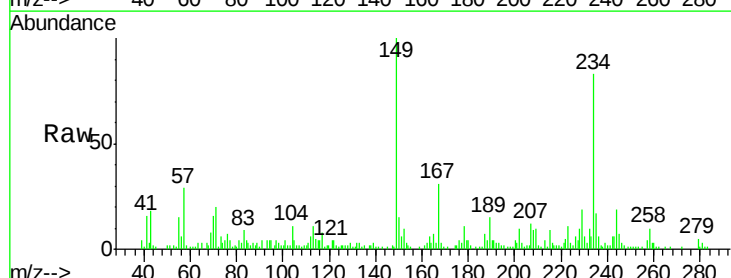
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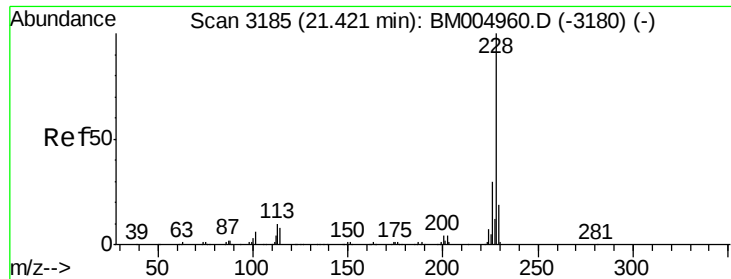
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#81
Bis(2-ethylhexyl)phthalate
Concen: 7.10 ng/ul
RT: 21.29 min Scan# 3162
Delta R.T. -0.01 min
Lab File: BM005017.D
Acq: 21 Apr 2016 07:45

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.8	22.7	34.1
279	4.6	3.4	5.0





#82

Chrysene

Concen: 124.09 ng/ul

RT: 21.43 min Scan# 3186

Delta R.T. 0.01 min

Lab File: BM005017.D

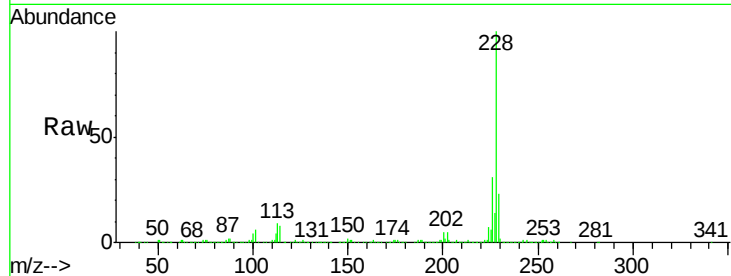
Acq: 21 Apr 2016 07:45

Instrument :

BNA_M

ClientSampled :

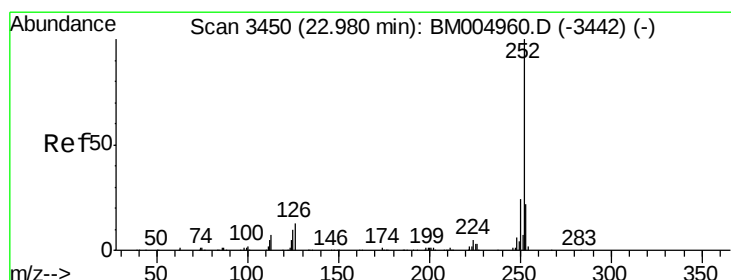
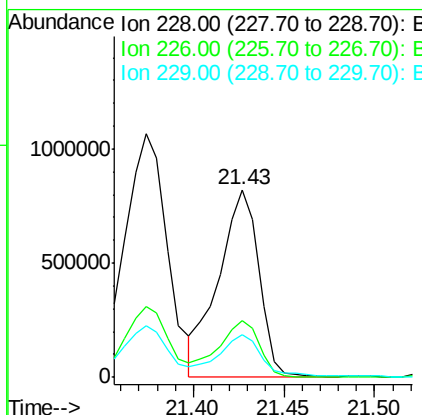
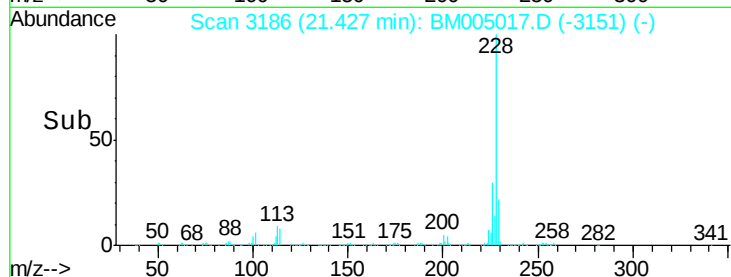
BC7M3



Tgt Ion:	228	Resp:	1262853
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.2	36.2
229	22.6	15.5	23.3

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#85

Benzo(b)fluoranthene

Concen: 96.29 ng/ul

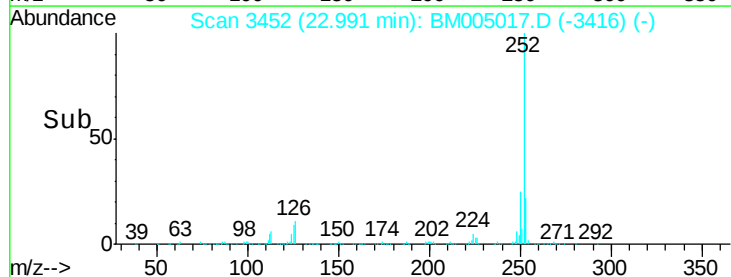
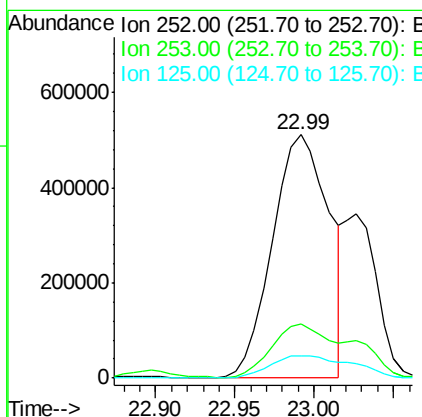
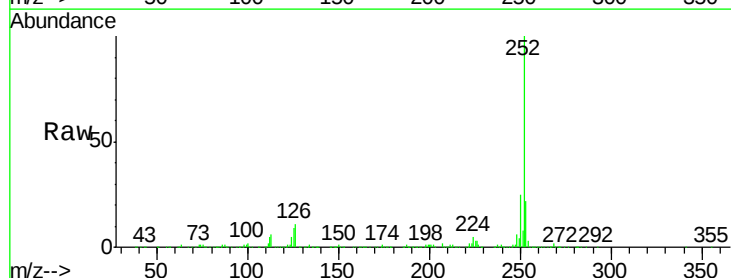
RT: 22.99 min Scan# 3452

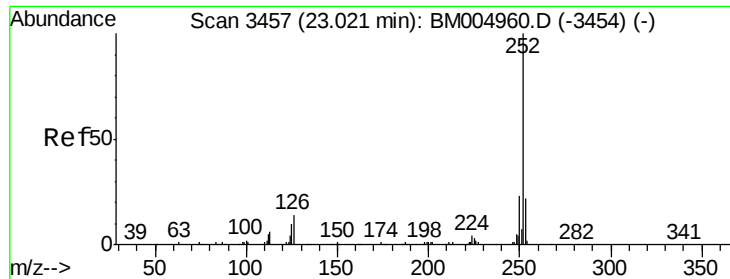
Delta R.T. 0.01 min

Lab File: BM005017.D

Acq: 21 Apr 2016 07:45

Tgt Ion:	252	Resp:	1265684
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	9.3	7.8	11.6





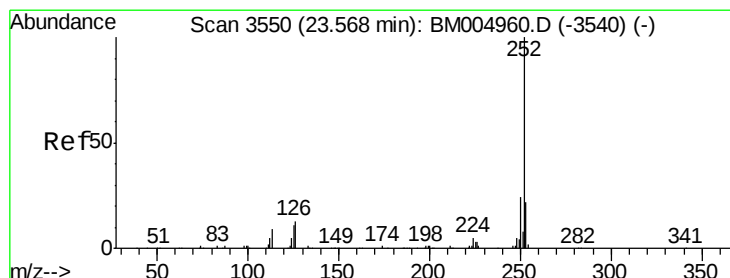
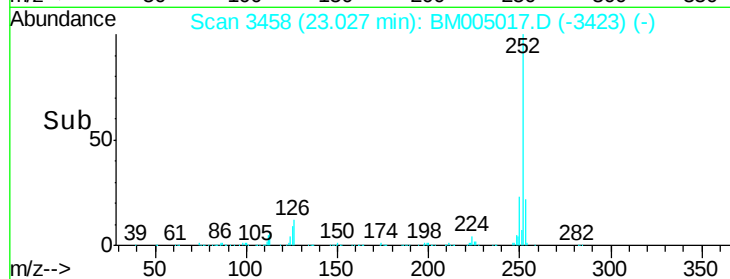
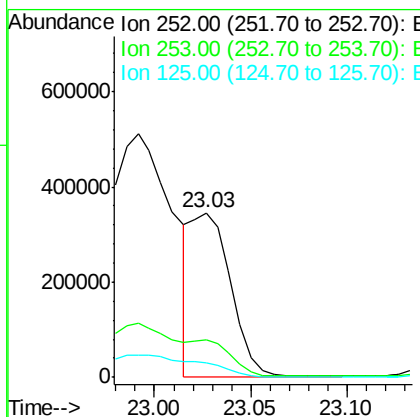
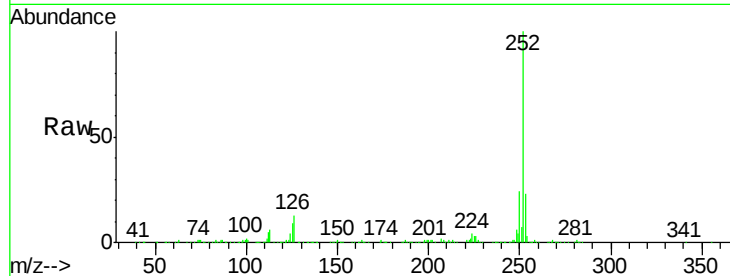
#86
Benzo(k)fluoranthene
Concen: 39.14 ng/ul m
RT: 23.03 min Scan# 3458
Delta R.T. 0.01 min
Lab File: BM005017.D
Acq: 21 Apr 2016 07:45

Instrument :
BNA_M
ClientSampleId :
BC7M3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	9.2	7.9	11.9

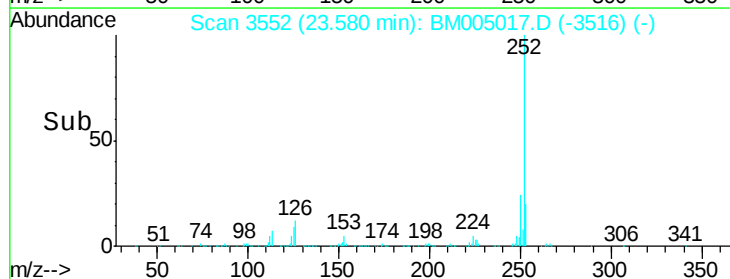
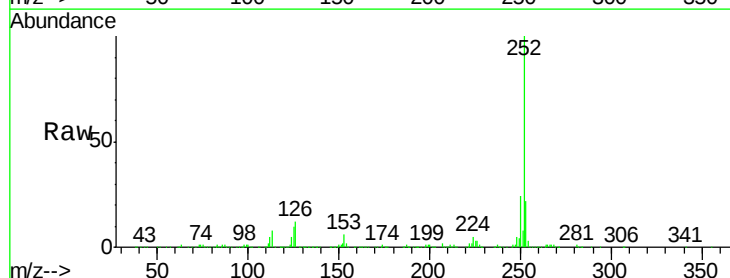
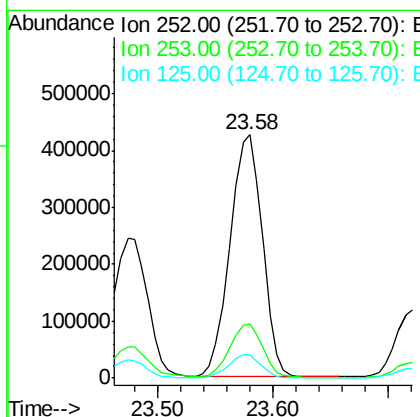
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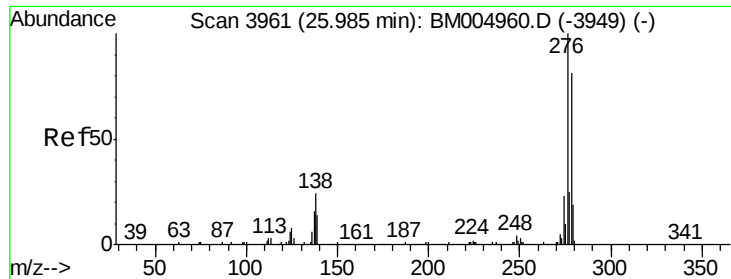
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#88
Benzo(a)pyrene
Concen: 66.15 ng/ul
RT: 23.58 min Scan# 3552
Delta R.T. 0.01 min
Lab File: BM005017.D
Acq: 21 Apr 2016 07:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	9.7	8.3	12.5





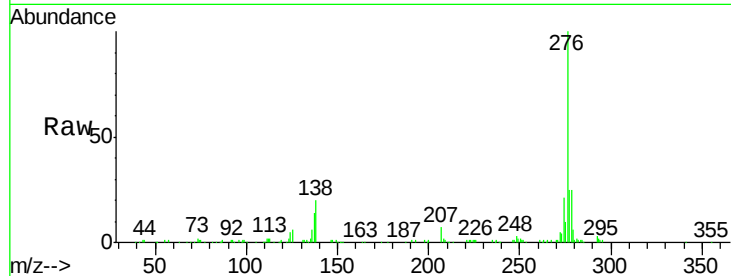
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 23.18 ng/uI
 RT: 25.98 min Scan# 3960
 Delta R.T. -0.01 min
 Lab File: BM005017.D
 Acq: 21 Apr 2016 07:45

Instrument :
 BNA_M
 ClientSampleId :
 BC7M3

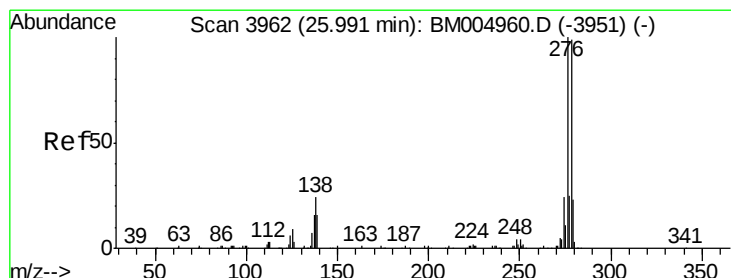
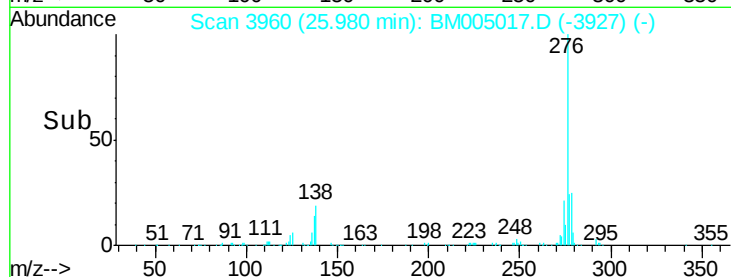
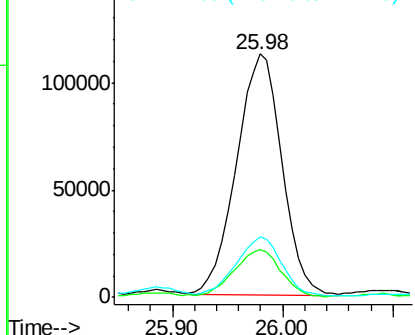
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	324607		
138	19.6	20.2	30.4#	
277	24.7	20.4	30.6	

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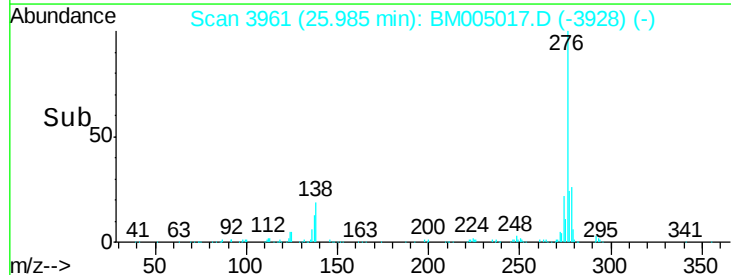
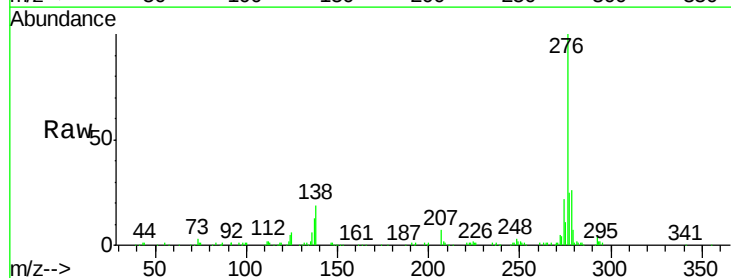
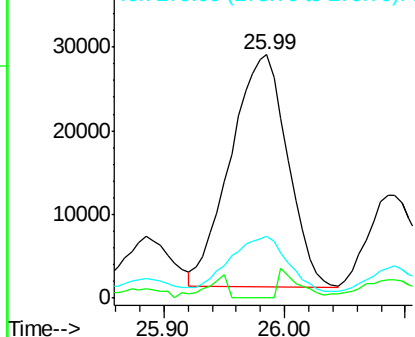
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

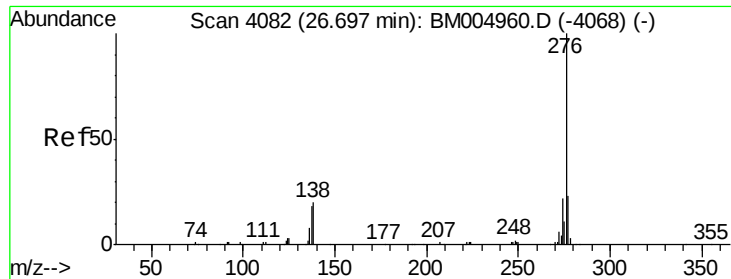


#90
 Dibenzo(a,h)anthracene
 Concen: 7.75 ng/uI
 RT: 25.99 min Scan# 3961
 Delta R.T. -0.01 min
 Lab File: BM005017.D
 Acq: 21 Apr 2016 07:45

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	90940		
139	0.0	12.6	19.0#	
279	25.5	19.1	28.7	

Abundance Ion 278.00 (277.70 to 278.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(g,h,i)perylene
 Concen: 22.20 ng/ul
 RT: 26.69 min Scan# 4081
 Delta R.T. 0.00 min
 Lab File: BM005017.D
 Acq: 21 Apr 2016 07:45

Instrument :
 BNA_M
 ClientSampleId :
 BC7M3

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	19.5	17.4	26.2
277	23.8	19.0	28.4

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