

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
 Data File : BM005250.D
 Acq On : 06 May 2016 00:30
 Operator : UM/SJ
 Sample : H2813-08
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC7S5

Quant Time: May 06 04:22:28 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 06 04:17:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	68504	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	338680	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	226573	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	575651	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	718460	20.00	ng/ul	-0.01
83) Perylene-d12	23.63	264	701186	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	1834	1.26	ng/uL	0.00
5) Phenol-d5	6.95	99	31964	5.14	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	98259	27.72	ng/ul	0.00
9) 2-Chlorophenol-d4	7.31	132	101029	21.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	66970	13.04	ng/ul	0.00
19) Nitrobenzene-d5	8.93	128	67629	27.97	ng/ul	0.00
22) 2-Nitrophenol-d4	9.65	143	77493	28.30	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.19	165	130972	25.74	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	6506	1.06	ng/ul	0.01
43) Dimethylphthalate-d6	13.82	166	523207	28.81	ng/ul	0.00
46) Acenaphthylene-d8	14.10	160	615993	28.92	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	11539	3.48	ng/ul	0.00
57) Fluorene-d10	15.41	176	462796	29.51	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	81167	25.07	ng/ul	0.00
70) Anthracene-d10	17.26	188	766390	30.12	ng/ul	0.00
76) Pyrene-d10	19.56	212	918067	27.68	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.49	264	938944	30.25	ng/ul	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.30	88	7720	2.91	ng/uL	98
8) Bis(2-Chloroethyl)ether	7.20	93	269	0.06	ng/ul#	21
12) 2,2'-oxybis(1-Chloropropan	8.47	45	247	0.04	ng/ul#	67
15) N-Nitroso-di-n-propylamine	8.48	70	1487	0.37	ng/ul#	1
21) Isophorone	9.65	82	6553	0.56	ng/ul#	67
28) Naphthalene	10.61	128	22998	1.35	ng/ul	97
30) 4-Chloroaniline	10.61	127	2670	0.43	ng/ul#	1
34) 2-Methylnaphthalene	12.23	142	1678	0.13	ng/ul	97
45) 2,6-Dinitrotoluene	13.83	165	3605	1.01	ng/ul#	41
49) Acenaphthene	14.48	153	1669	0.11	ng/ul#	85
53) Dibenzofuran	14.82	168	1832	0.09	ng/ul	96
56) Diethylphthalate	15.24	149	1716	0.09	ng/ul#	88
58) Fluorene	15.46	166	1931	0.11	ng/ul#	90
64) N-Nitrosodiphenylamine	15.54	169	750	0.05	ng/ul#	24
69) Phenanthrene	17.20	178	12650	0.42	ng/ul	99
71) Anthracene	17.20	178	12650	0.42	ng/ul	99
72) Carbazole	17.58	167	2067	0.08	ng/ul#	86
73) Di-n-butylphthalate	18.13	149	28426	0.88	ng/ul	99
74) Fluoranthene	19.23	202	4611	0.14	ng/ul#	87
77) Pyrene	19.59	202	3656	0.09	ng/ul#	91
80) Benzo(a)anthracene	21.35	228	2325	0.06	ng/ul#	62
81) Bis(2-ethylhexyl)phthalate	21.26	149	1708	0.07	ng/ul#	93
82) Chrysene	21.39	228	255	0.01	ng/ul#	50

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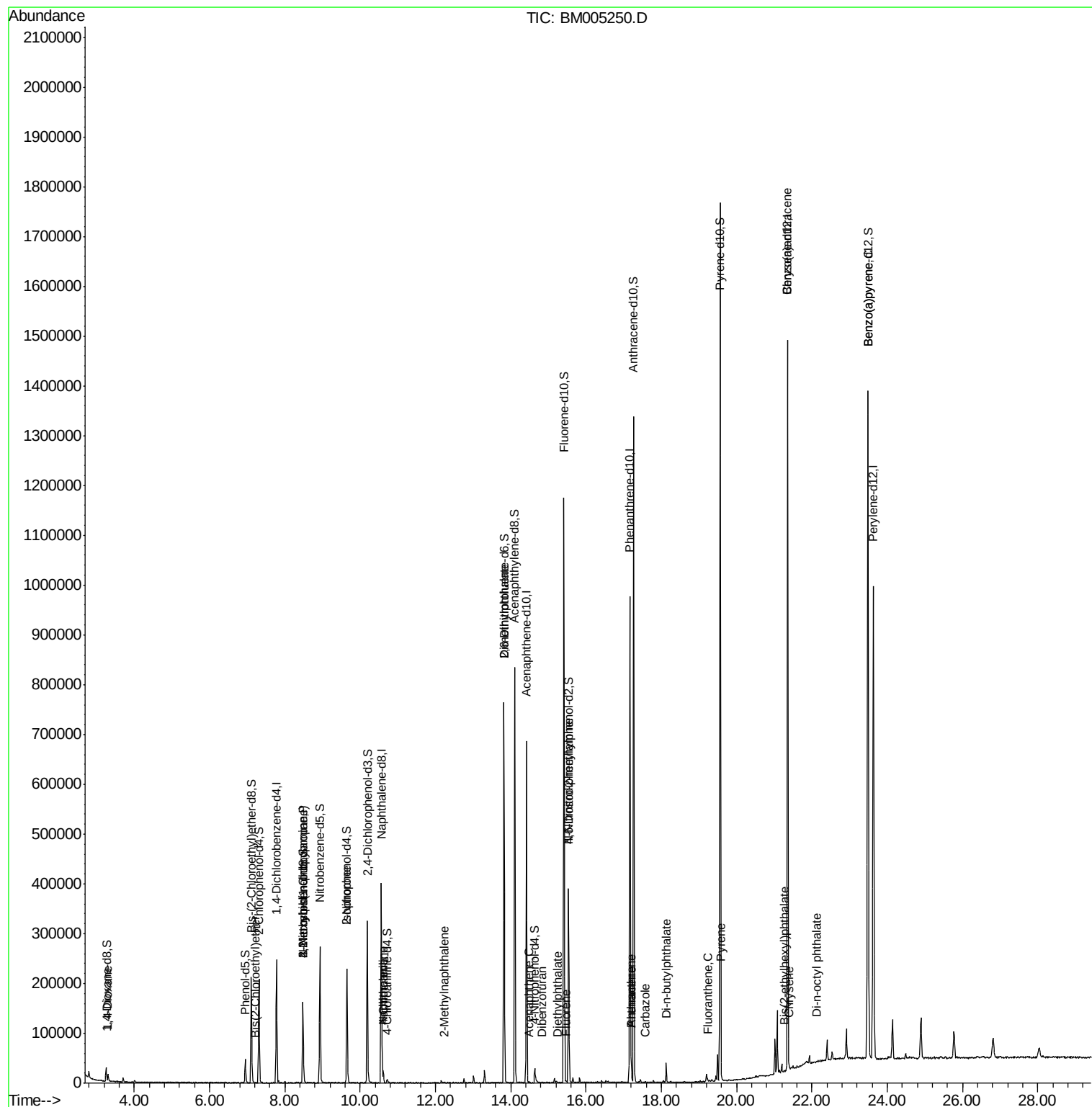
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Di-n-octyl phthalate	22.14	149	250	0.01	ng/ul#	1
88) Benzo(a)pyrene	23.49	252	2975	0.08	ng/ul#	26

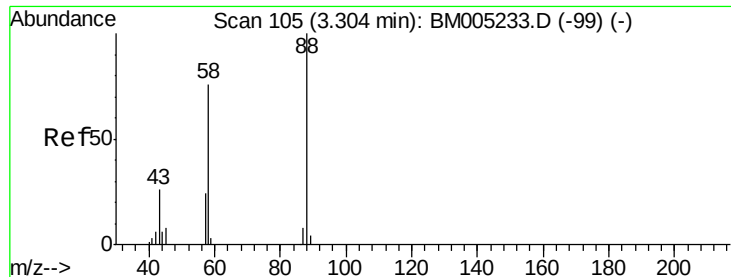
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 2.91 ng/uL

RT: 3.30 min Scan# 105

Delta R.T. -0.00 min

Lab File: BM005250.D

Acq: 06 May 2016 00:30

Instrument :

BNA_M

ClientSampleId :

BC7S5

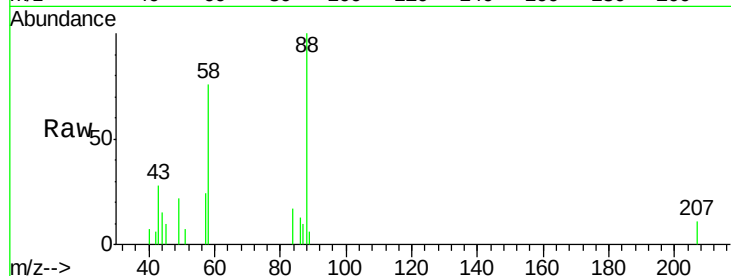
Tgt Ion: 88 Resp: 7720

Ion Ratio Lower Upper

88 100

43 24.7 19.3 28.9

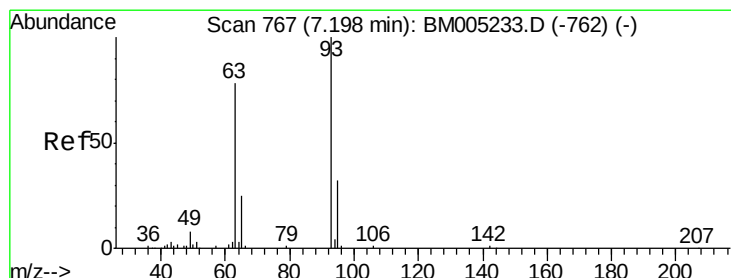
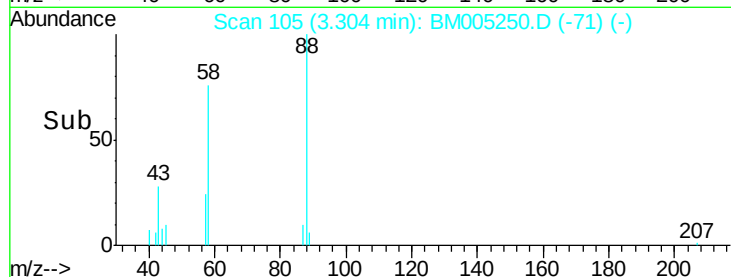
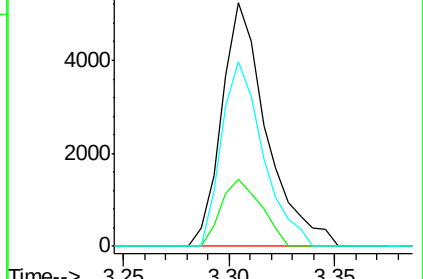
58 70.1 57.9 86.9



Abundance Ion 88.00 (87.70 to 88.70): BM005233.D (-99) (-)

Ion 43.00 (42.70 to 43.70): BM005233.D (-99) (-)

Ion 58.00 (57.70 to 58.70): BM005233.D (-99) (-)



#8

Bis(2-Chloroethyl)ether

Concen: 0.06 ng/uL

RT: 7.20 min Scan# 768

Delta R.T. 0.01 min

Lab File: BM005250.D

Acq: 06 May 2016 00:30

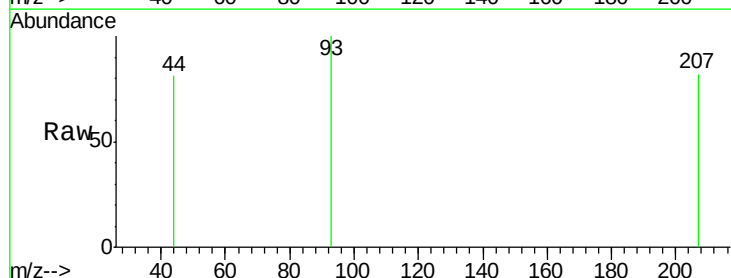
Tgt Ion: 93 Resp: 269

Ion Ratio Lower Upper

93 100

63 0.0 60.6 90.8#

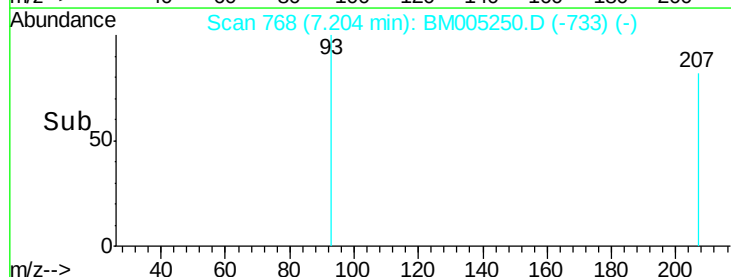
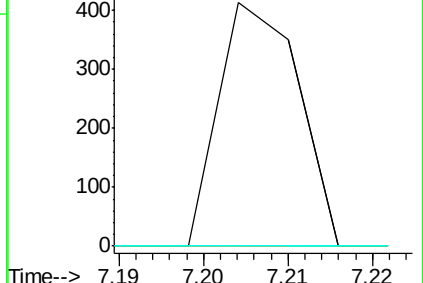
95 0.0 24.2 36.4#

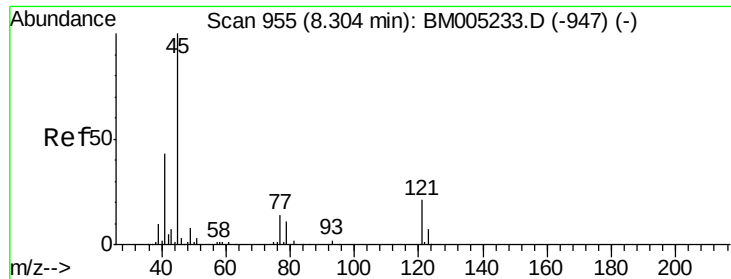


Abundance Ion 93.00 (92.70 to 93.70): BM005233.D (-762) (-)

Ion 63.00 (62.70 to 63.70): BM005233.D (-762) (-)

Ion 95.00 (94.70 to 95.70): BM005233.D (-762) (-)

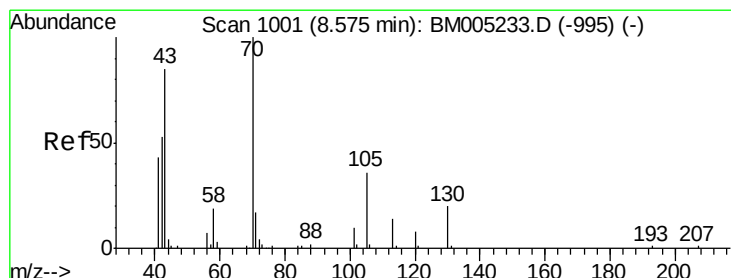
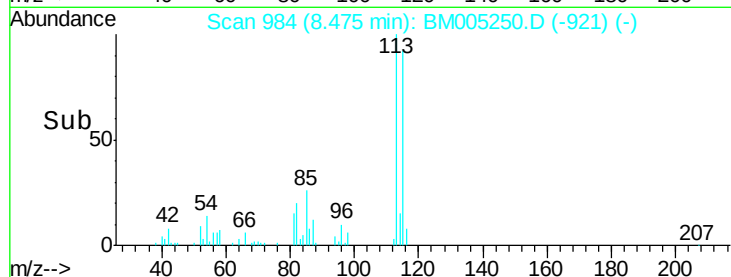
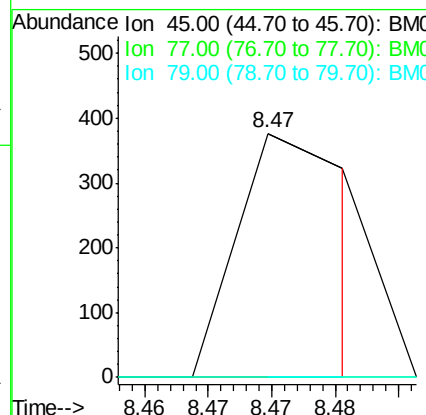
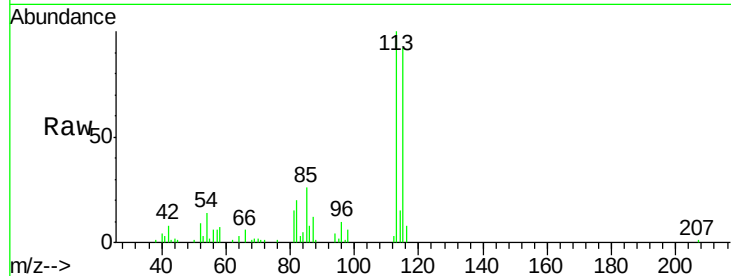




#12
 2,2'-oxybis(1-Chloropropane)
 Concen: 0.04 ng/ul
 RT: 8.47 min Scan# 984
 Delta R.T. 0.17 min
 Lab File: BM005250.D
 Acq: 06 May 2016 00:30

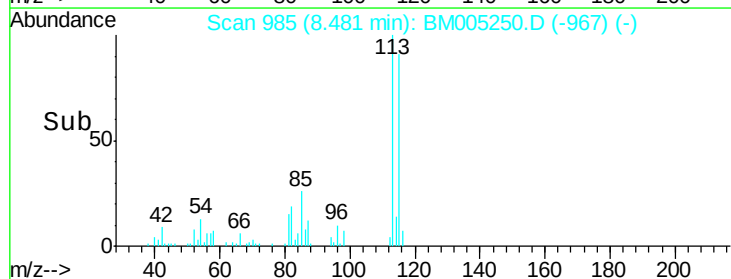
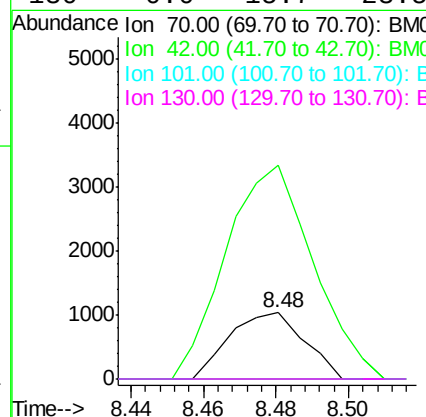
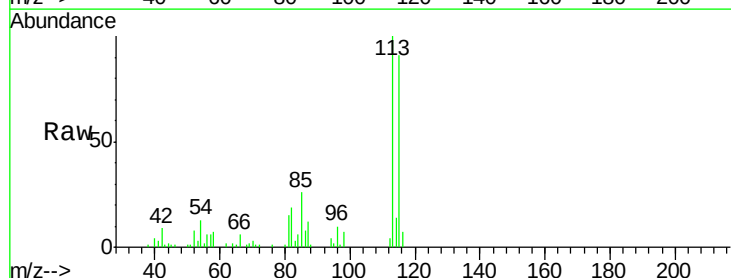
Instrument :
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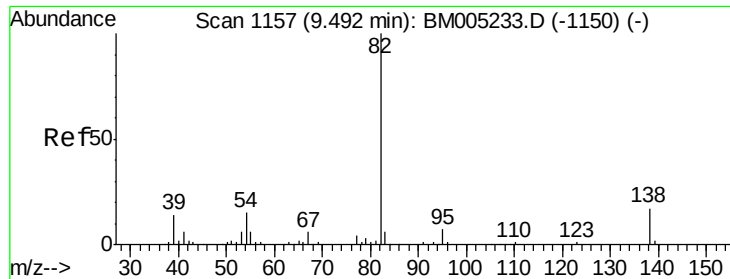
Tgt Ion: 45 Resp: 247
 Ion Ratio Lower Upper
 45 100
 77 0.0 12.1 18.1#
 79 0.0 9.0 13.4#



#15
 N-Nitroso-di-n-propylamine
 Concen: 0.37 ng/ul
 RT: 8.48 min Scan# 985
 Delta R.T. -0.09 min
 Lab File: BM005250.D
 Acq: 06 May 2016 00:30

Tgt Ion: 70 Resp: 1487
 Ion Ratio Lower Upper
 70 100
 42 322.8 42.8 64.2#
 101 0.0 7.8 11.6#
 130 0.0 15.7 23.5#





#21

Isophorone

Concen: 0.56 ng/ul

RT: 9.65 min Scan# 1184

Delta R.T. 0.16 min

Lab File: BM005250.D

Acq: 06 May 2016 00:30

Instrument :

BNA_M

ClientSampled :

BC7S5

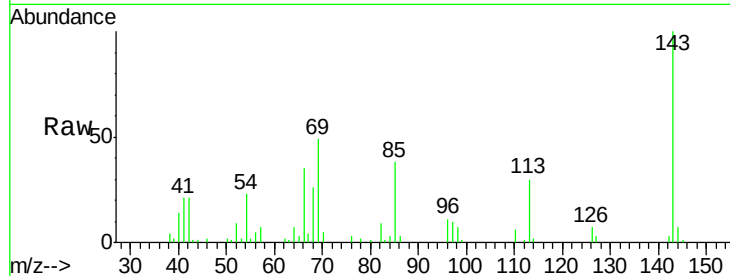
Tgt Ion: 82 Resp: 6553

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

138 0.0 13.4 20.2#

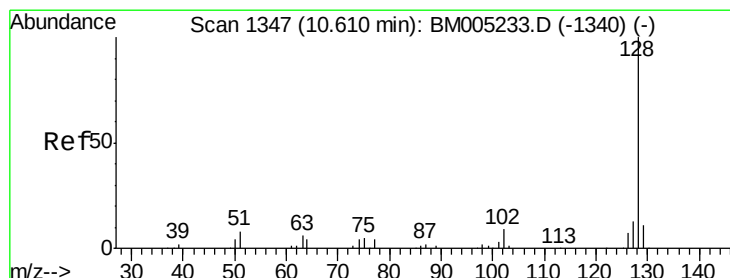
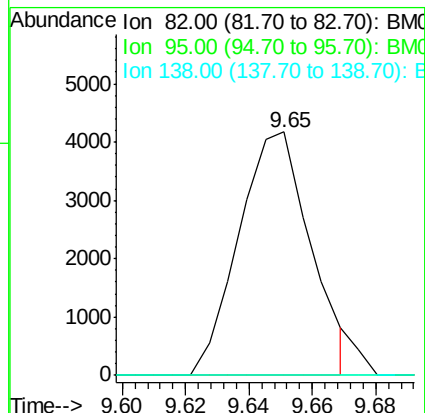
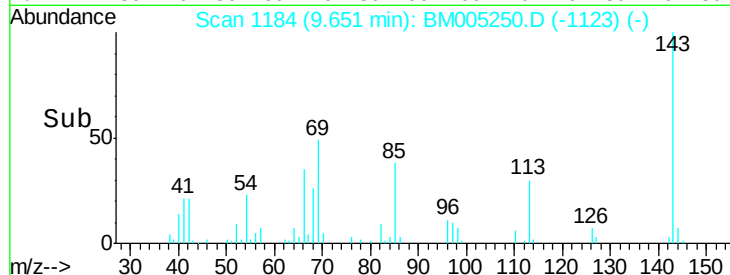


Abundance Ion 82.00 (81.70 to 82.70): BM005233.D (-1150) (-)

Ion 95.00 (94.70 to 95.70): BM005233.D (-1150) (-)

Ion 138.00 (137.70 to 138.70): BM005233.D (-1150) (-)

Time-->



#28

Naphthalene

Concen: 1.35 ng/ul

RT: 10.61 min Scan# 1347

Delta R.T. -0.00 min

Lab File: BM005250.D

Acq: 06 May 2016 00:30

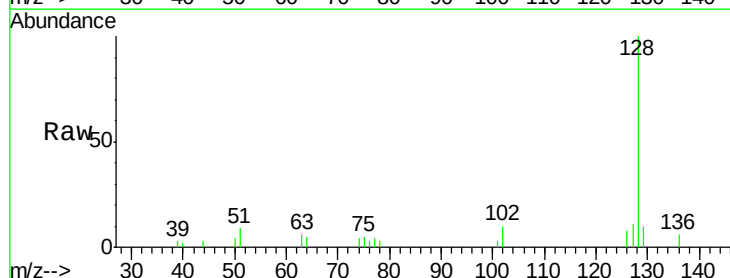
Tgt Ion: 128 Resp: 22998

Ion Ratio Lower Upper

128 100

129 10.4 8.4 12.6

127 11.3 10.8 16.2

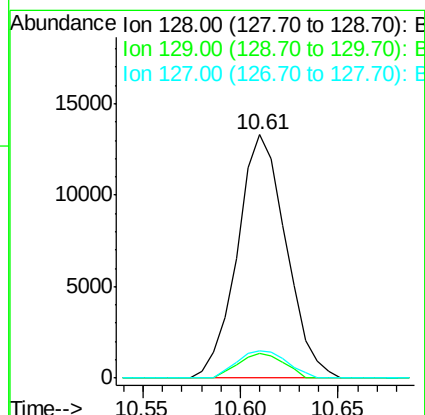
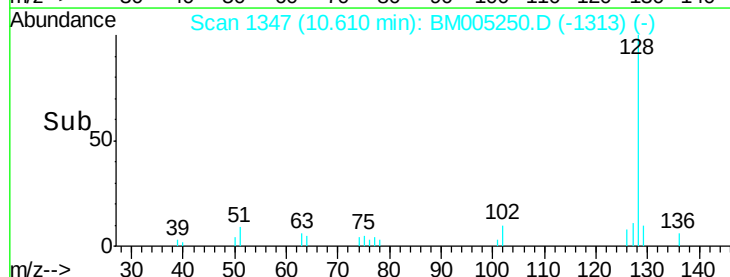


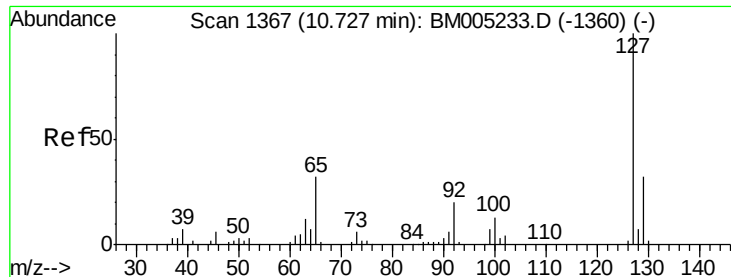
Abundance Ion 128.00 (127.70 to 128.70): BM005233.D (-1340) (-)

Ion 129.00 (128.70 to 129.70): BM005233.D (-1340) (-)

Ion 127.00 (126.70 to 127.70): BM005233.D (-1340) (-)

Time-->

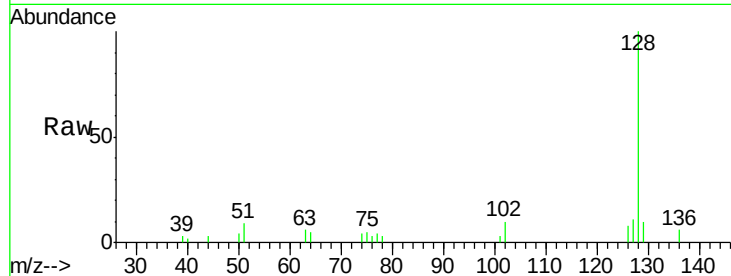




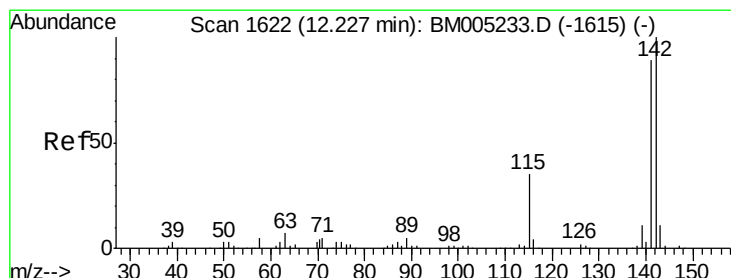
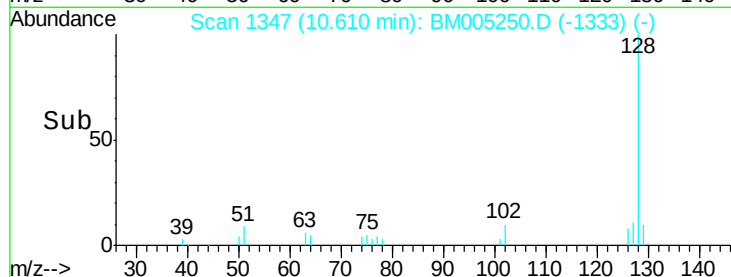
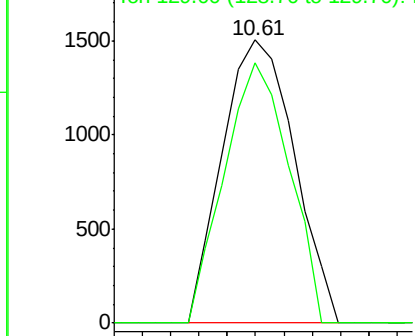
#30
4-Chloroaniline
Concen: 0.43 ng/ul
RT: 10.61 min Scan# 1347
Delta R.T. -0.12 min
Lab File: BM005250.D
Acq: 06 May 2016 00:30

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Tgt Ion:127 Resp: 2670
Ion Ratio Lower Upper
127 100
129 92.0 26.5 39.7#

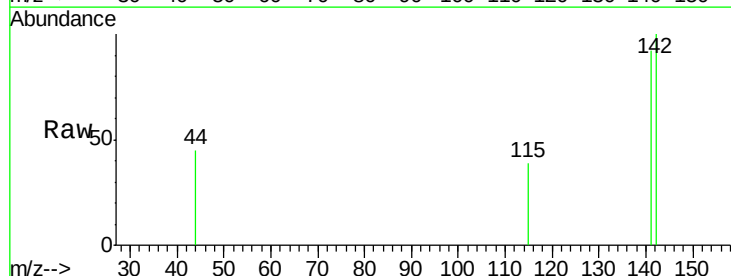


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

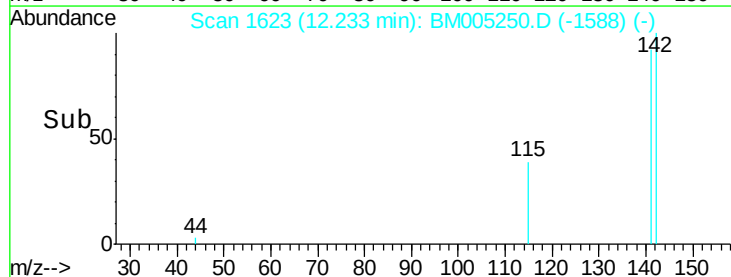
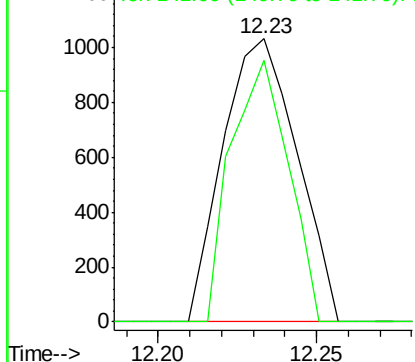


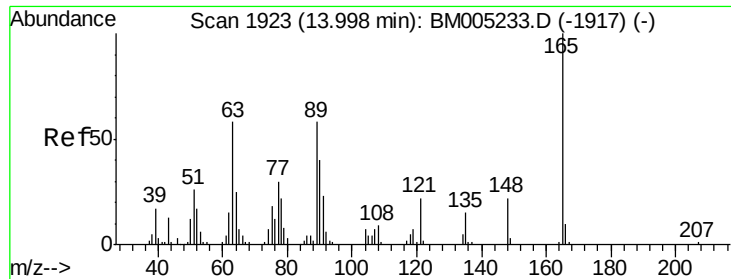
#34
2-Methylnaphthalene
Concen: 0.13 ng/ul
RT: 12.23 min Scan# 1623
Delta R.T. 0.01 min
Lab File: BM005250.D
Acq: 06 May 2016 00:30

Tgt Ion:142 Resp: 1678
Ion Ratio Lower Upper
142 100
141 92.2 71.3 106.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

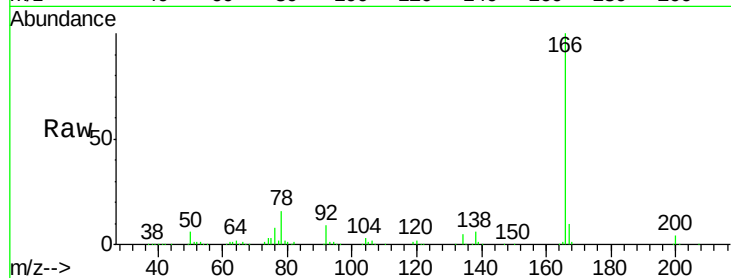




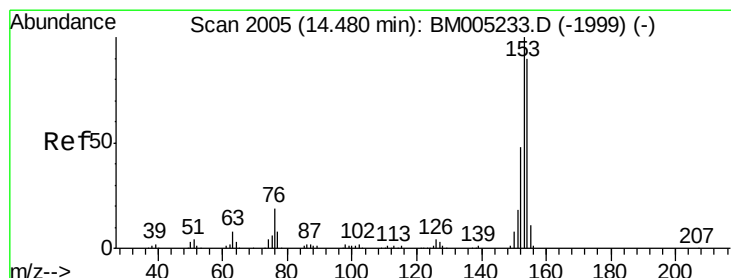
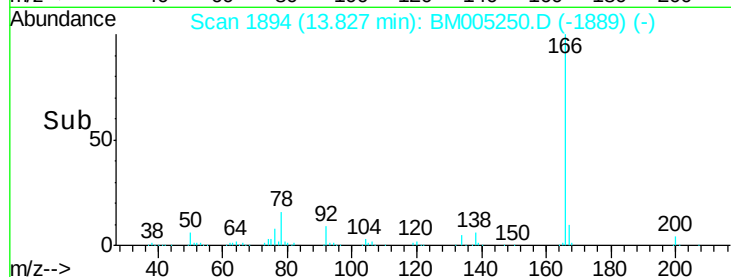
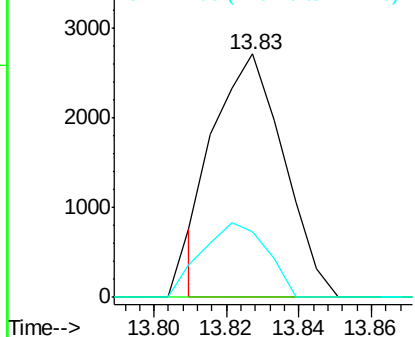
#45
 2,6-Dinitrotoluene
 Concen: 1.01 ng/ul
 RT: 13.83 min Scan# 1894
 Delta R.T. -0.17 min
 Lab File: BM005250.D
 Acq: 06 May 2016 00:30

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Tgt Ion:165 Resp: 3605
 Ion Ratio Lower Upper
 165 100
 89 0.0 52.2 78.4#
 121 27.0 21.0 31.4

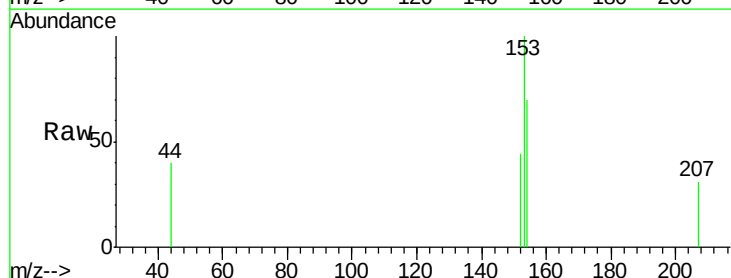


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 89.00 (88.70 to 89.70): BM
 Ion 121.00 (120.70 to 121.70): E

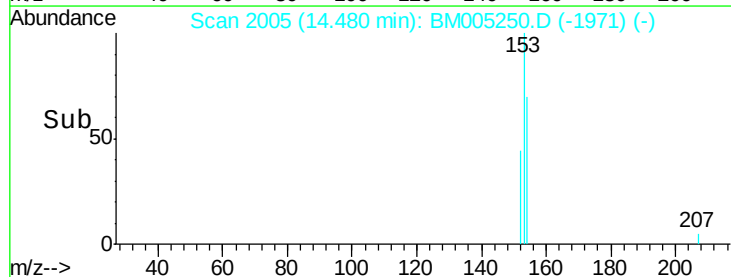
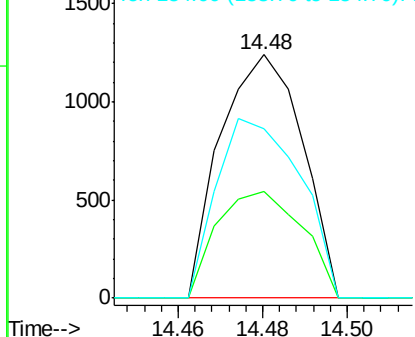


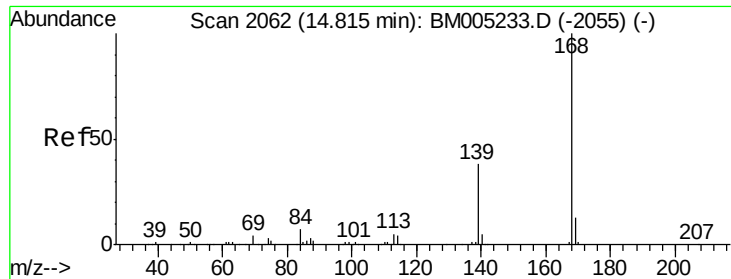
#49
 Acenaphthene
 Concen: 0.11 ng/ul
 RT: 14.48 min Scan# 2005
 Delta R.T. -0.00 min
 Lab File: BM005250.D
 Acq: 06 May 2016 00:30

Tgt Ion:153 Resp: 1669
 Ion Ratio Lower Upper
 153 100
 152 43.9 38.9 58.3
 154 69.6 70.3 105.5#



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: 0.09 ng/ul

RT: 14.82 min Scan# 2062

Delta R.T. -0.00 min

Lab File: BM005250.D

Acq: 06 May 2016 00:30

Instrument :

BNA_M

ClientSampleId :

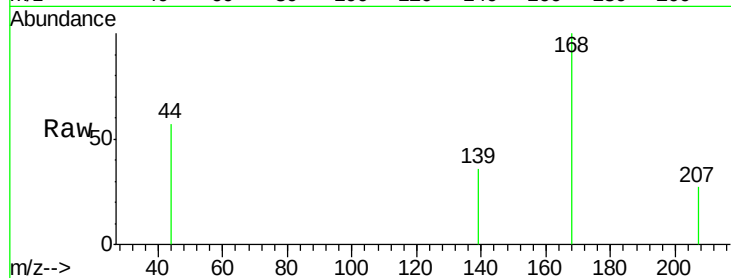
BC7S5

Tgt Ion:168 Resp: 1832

Ion Ratio Lower Upper

168 100

139 35.5 30.3 45.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

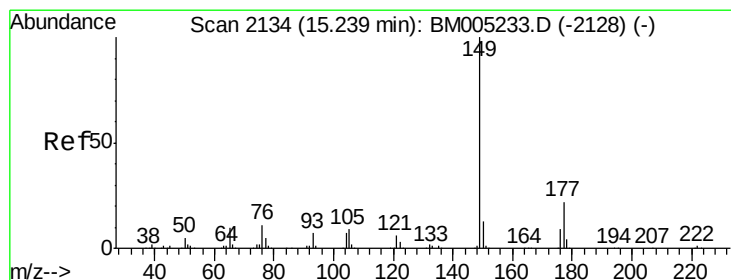
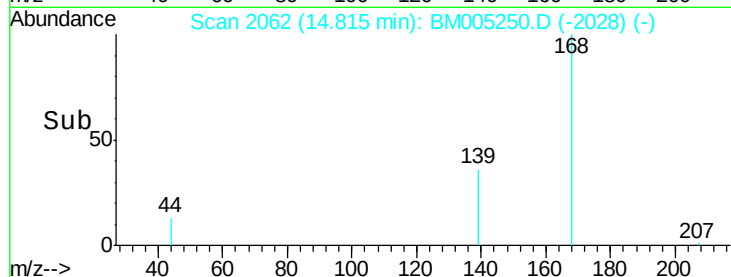
14.82

1000

500

0

Time--> 14.78 14.80 14.82 14.84



#56

Diethylphthalate

Concen: 0.09 ng/ul

RT: 15.24 min Scan# 2134

Delta R.T. -0.00 min

Lab File: BM005250.D

Acq: 06 May 2016 00:30

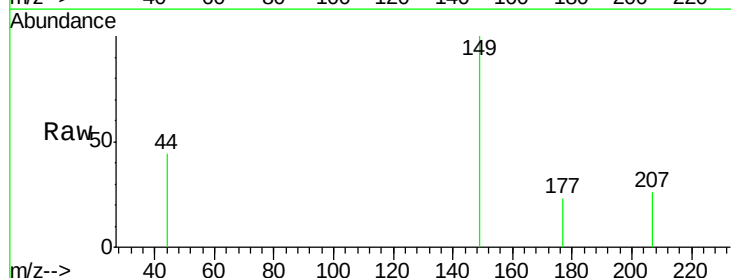
Tgt Ion:149 Resp: 1716

Ion Ratio Lower Upper

149 100

177 22.9 17.6 26.4

150 0.0 9.8 14.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

15.24

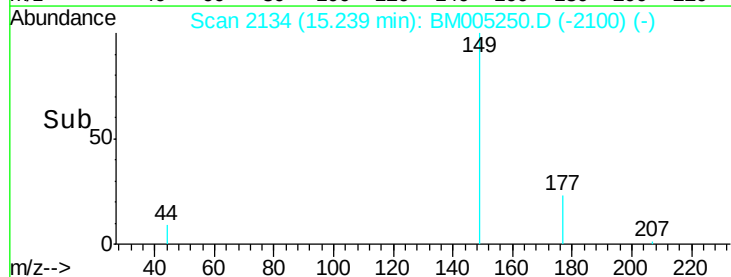
1500

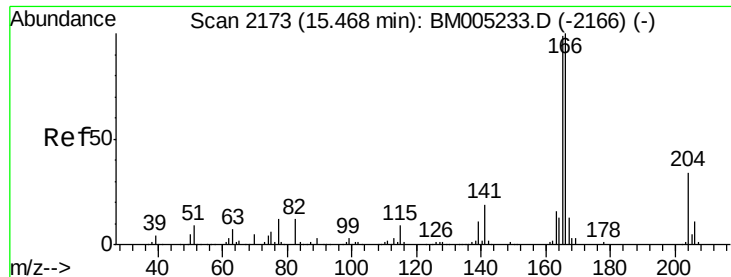
1000

500

0

Time--> 15.20 15.22 15.24 15.26





#58

Fluorene

Concen: 0.11 ng/ul

RT: 15.46 min Scan# 2172

Delta R.T. -0.01 min

Lab File: BM005250.D

Acq: 06 May 2016 00:30

Instrument :

BNA_M

ClientSampleId :

BC7S5

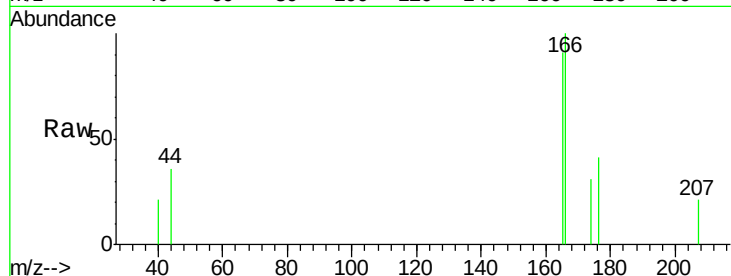
Tgt Ion:166 Resp: 1931

Ion Ratio Lower Upper

166 100

165 91.0 77.9 116.9

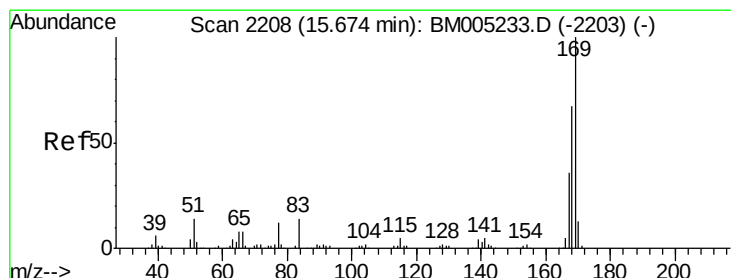
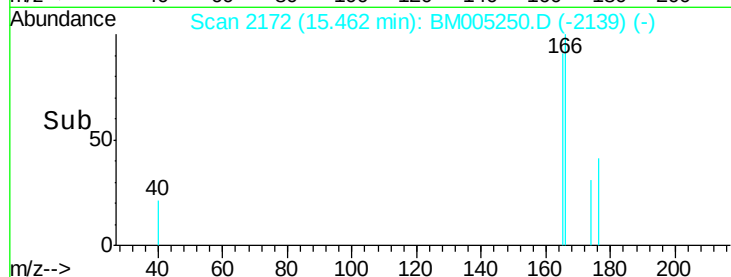
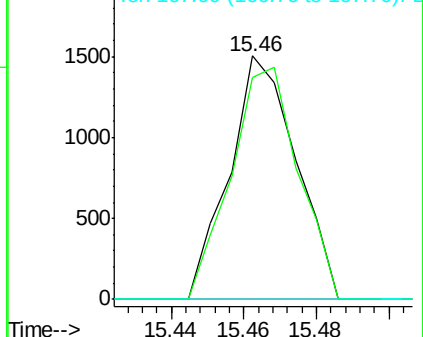
167 0.0 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

N-Nitrosodiphenylamine

Concen: 0.05 ng/ul

RT: 15.54 min Scan# 2185

Delta R.T. -0.14 min

Lab File: BM005250.D

Acq: 06 May 2016 00:30

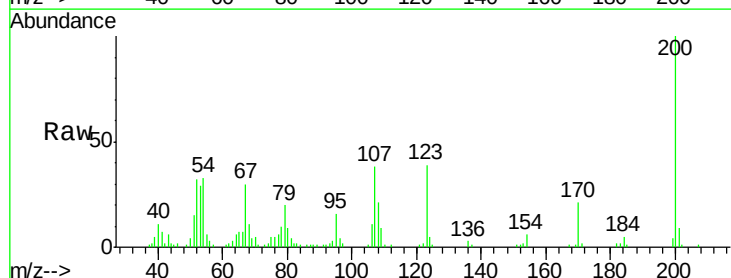
Tgt Ion:169 Resp: 750

Ion Ratio Lower Upper

169 100

168 0.0 52.9 79.3#

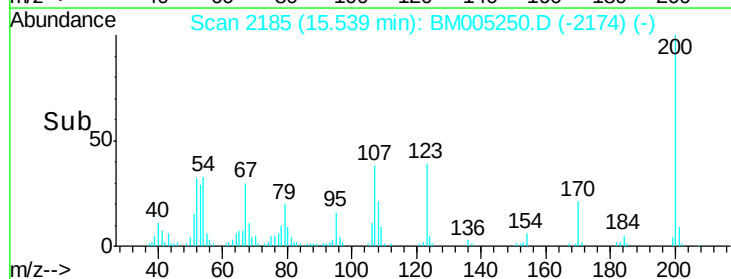
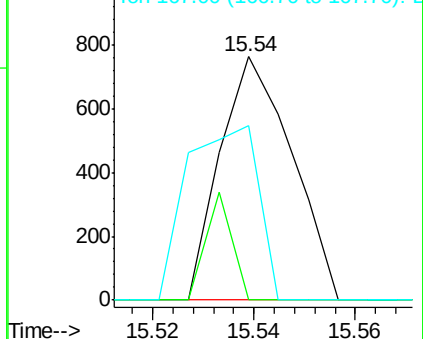
167 71.9 28.2 42.4#

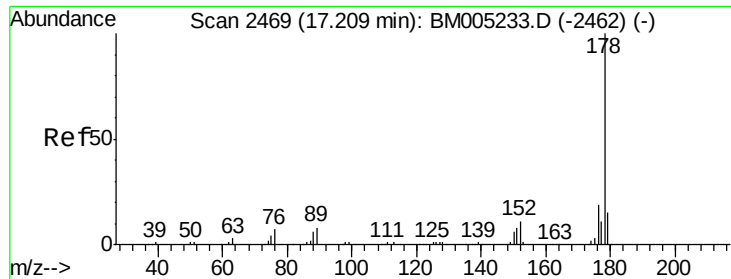


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 0.42 ng/ul

RT: 17.20 min Scan# 2468

Delta R.T. -0.01 min

Lab File: BM005250.D

Acq: 06 May 2016 00:30

Instrument :

BNA_M

ClientSampleId :

BC7S5

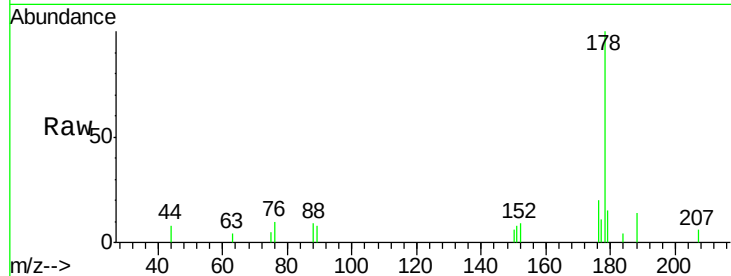
Tgt Ion:178 Resp: 12650

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

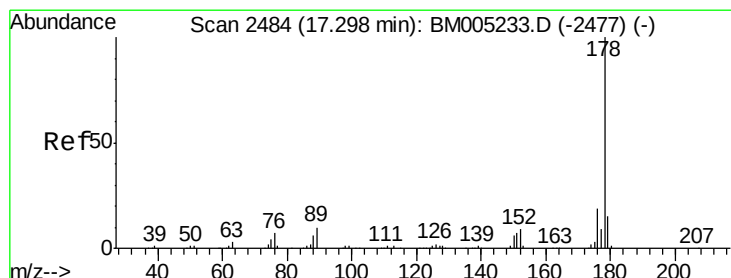
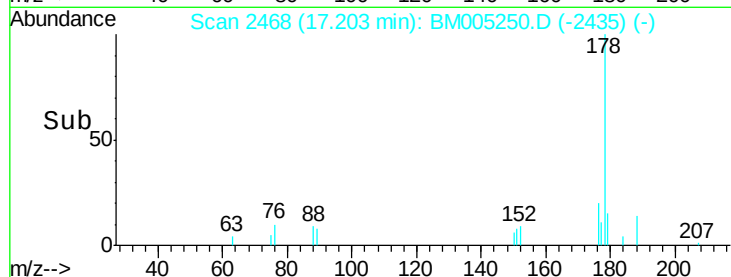
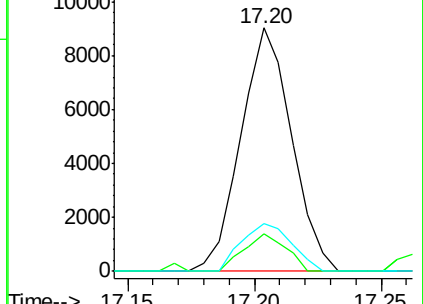
176 19.5 15.2 22.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 0.42 ng/ul

RT: 17.20 min Scan# 2468

Delta R.T. -0.09 min

Lab File: BM005250.D

Acq: 06 May 2016 00:30

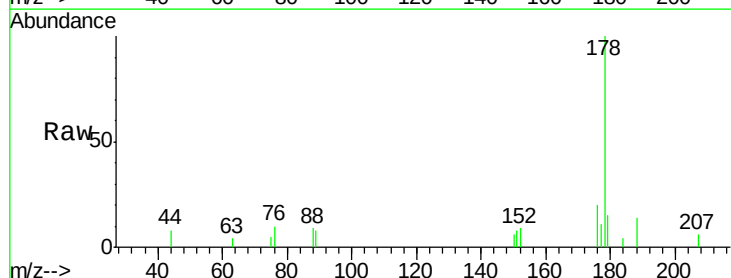
Tgt Ion:178 Resp: 12650

Ion Ratio Lower Upper

178 100

179 15.2 12.4 18.6

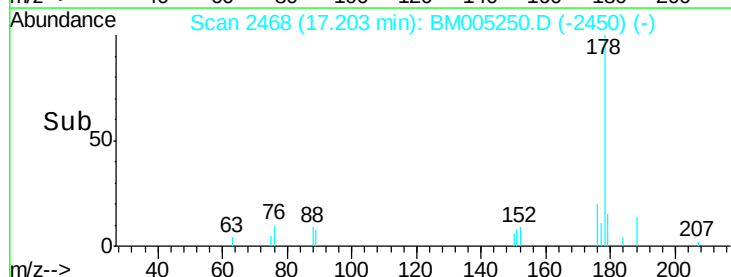
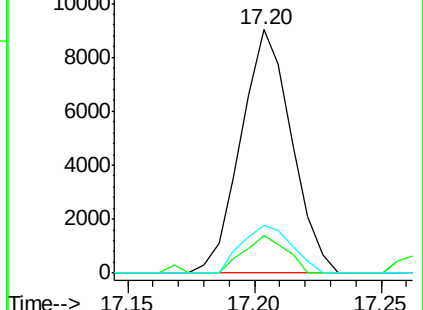
176 19.5 15.1 22.7

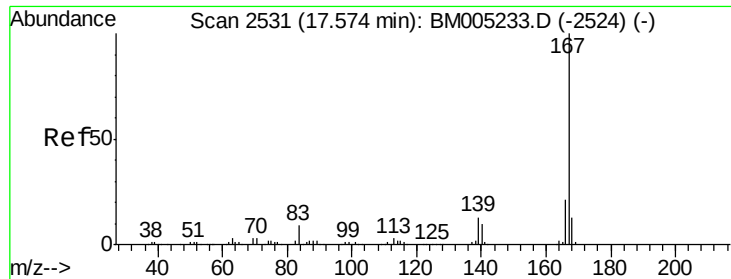


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

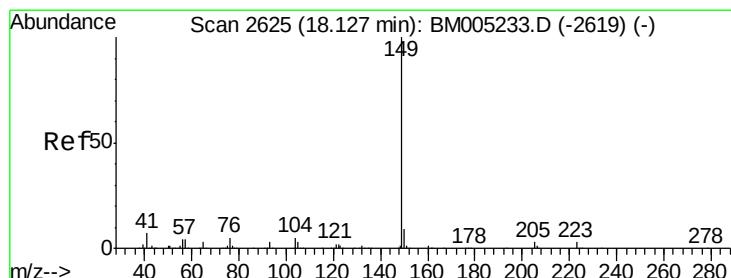
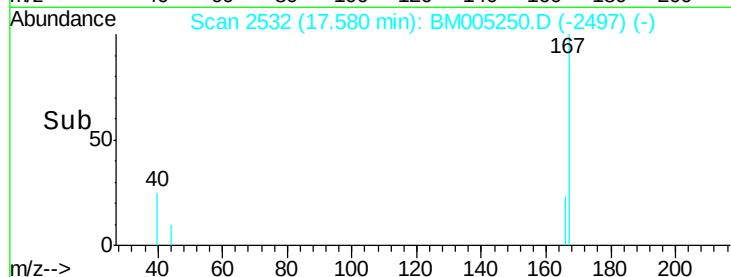
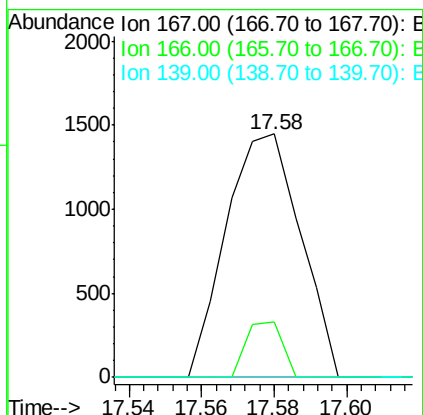
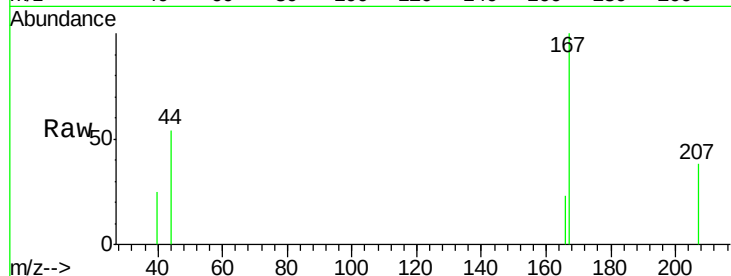




#72
 Carbazole
 Concen: 0.08 ng/ul
 RT: 17.58 min Scan# 2532
 Delta R.T. 0.01 min
 Lab File: BM005250.D
 Acq: 06 May 2016 00:30

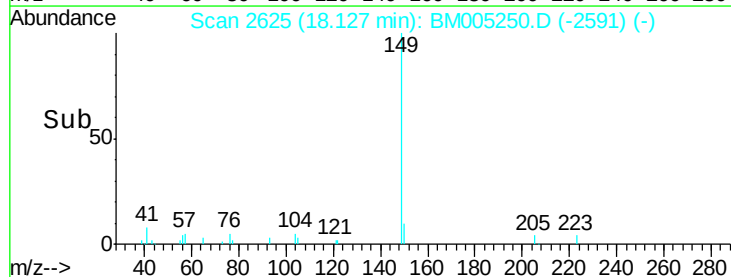
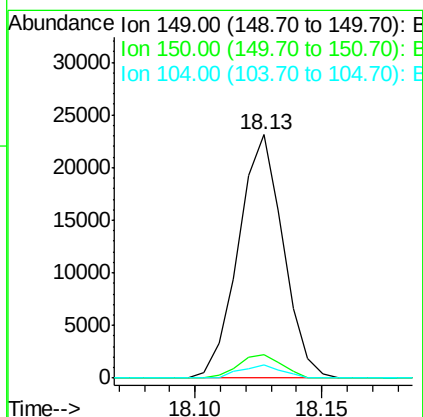
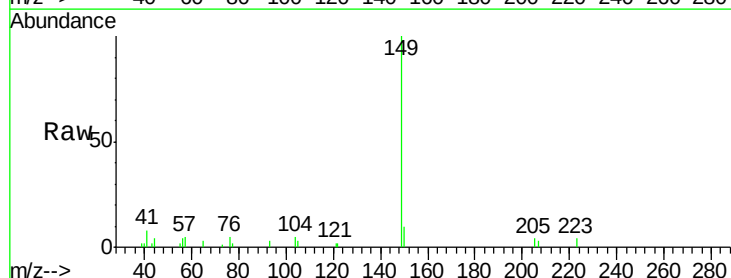
Instrument :
 BNA_M
 ClientSampleId :
 BC7S5

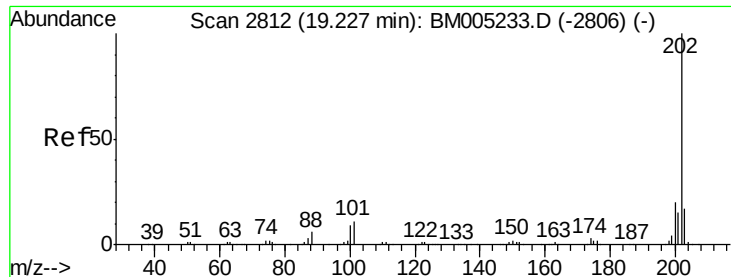
Tgt Ion:167 Resp: 2067
 Ion Ratio Lower Upper
 167 100
 166 22.9 17.1 25.7
 139 0.0 10.2 15.2#



#73
 Di-n-butylphthalate
 Concen: 0.88 ng/ul
 RT: 18.13 min Scan# 2625
 Delta R.T. -0.00 min
 Lab File: BM005250.D
 Acq: 06 May 2016 00:30

Tgt Ion:149 Resp: 28426
 Ion Ratio Lower Upper
 149 100
 150 9.6 7.3 10.9
 104 5.4 4.1 6.1

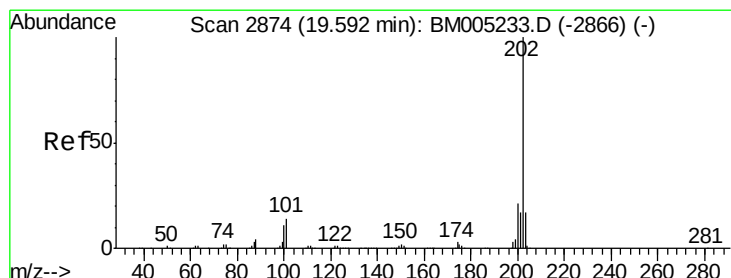
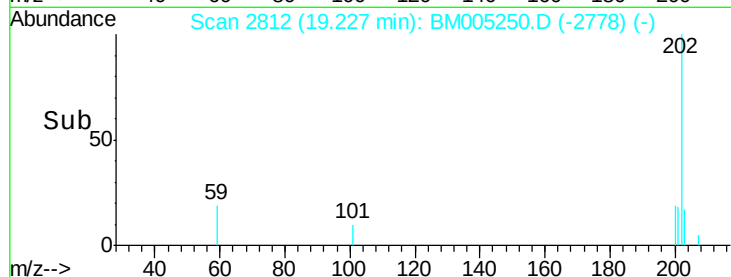
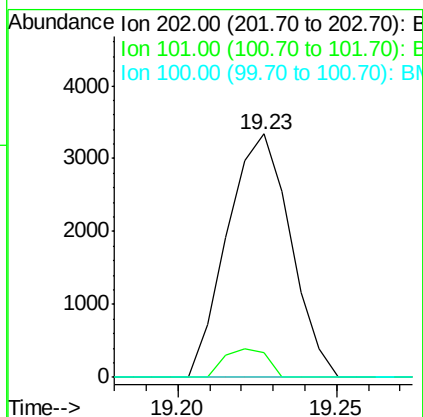
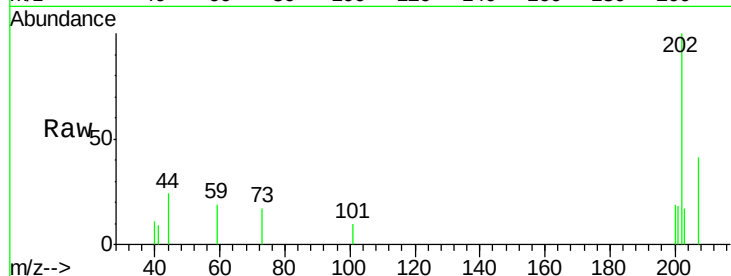




#74
 Fluoranthene
 Concen: 0.14 ng/ul
 RT: 19.23 min Scan# 2812
 Delta R.T. -0.00 min
 Lab File: BM005250.D
 Acq: 06 May 2016 00:30

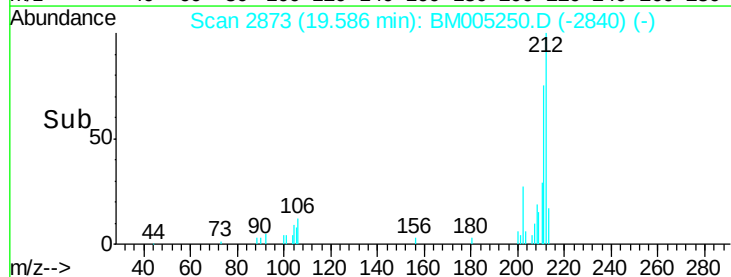
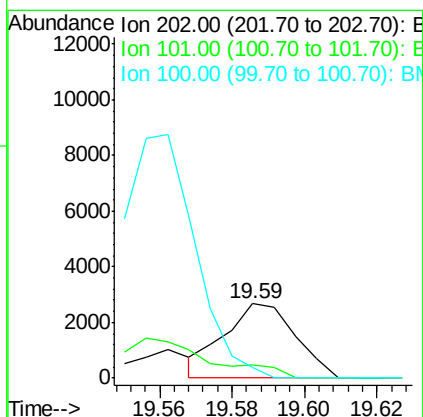
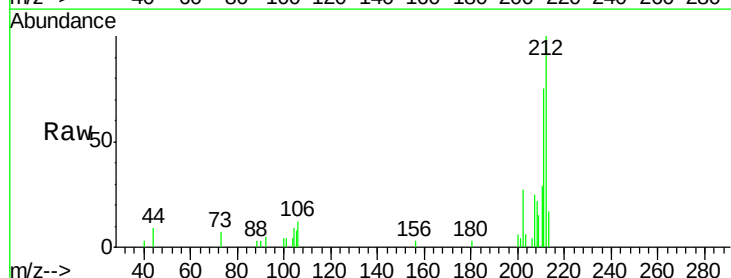
Instrument :
 BNA_M
 ClientSampleId :
 BC7S5

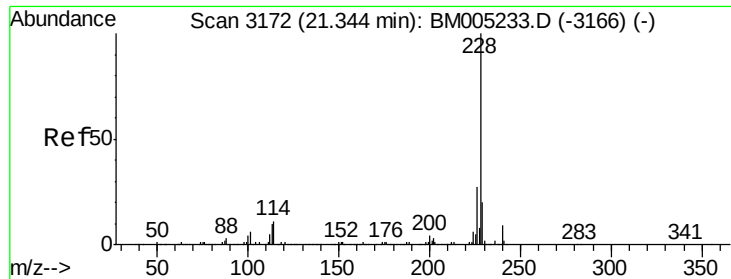
Tgt Ion:202 Resp: 4611
 Ion Ratio Lower Upper
 202 100
 101 10.0 9.2 13.8
 100 0.0 7.1 10.7#



#77
 Pyrene
 Concen: 0.09 ng/ul
 RT: 19.59 min Scan# 2873
 Delta R.T. -0.01 min
 Lab File: BM005250.D
 Acq: 06 May 2016 00:30

Tgt Ion:202 Resp: 3656
 Ion Ratio Lower Upper
 202 100
 101 16.9 10.8 16.2#
 100 14.2 8.4 12.6#





#80

Benzo(a)anthracene

Concen: 0.06 ng/ul

RT: 21.35 min Scan# 3173

Delta R.T. 0.01 min

Lab File: BM005250.D

Acq: 06 May 2016 00:30

Instrument :

BNA_M

ClientSampleId :

BC7S5

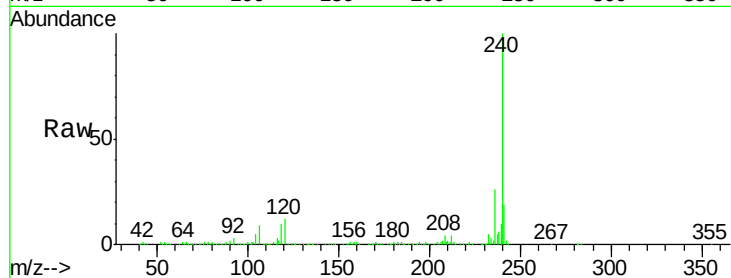
Tgt Ion:228 Resp: 2325

Ion Ratio Lower Upper

228 100

229 27.6 15.5 23.3#

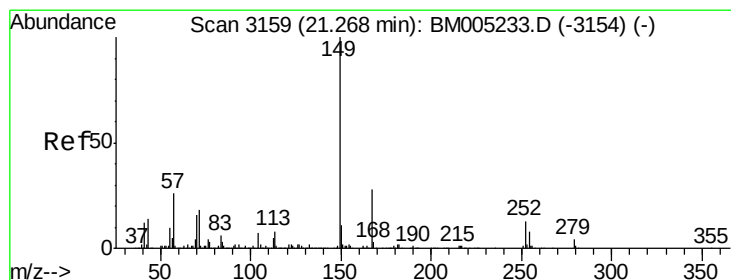
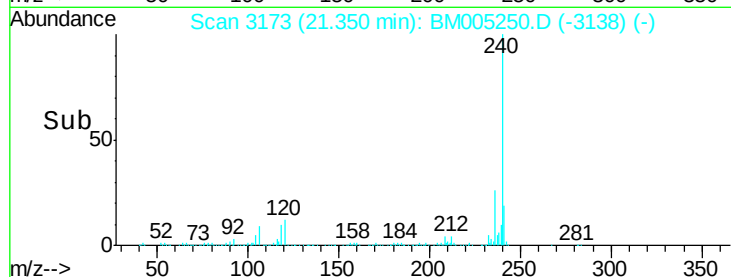
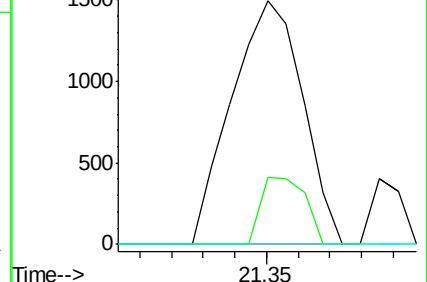
226 0.0 21.8 32.8#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#81

Bis(2-ethylhexyl)phthalate

Concen: 0.07 ng/ul

RT: 21.26 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BM005250.D

Acq: 06 May 2016 00:30

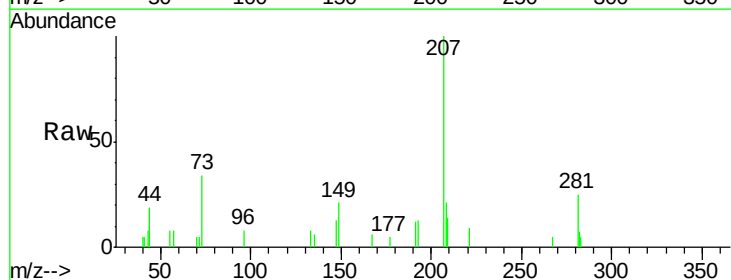
Tgt Ion:149 Resp: 1708

Ion Ratio Lower Upper

149 100

167 30.7 21.9 32.9

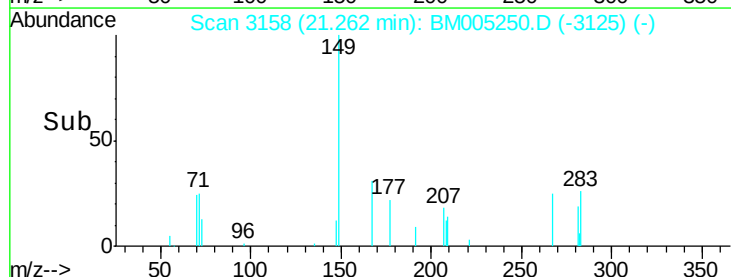
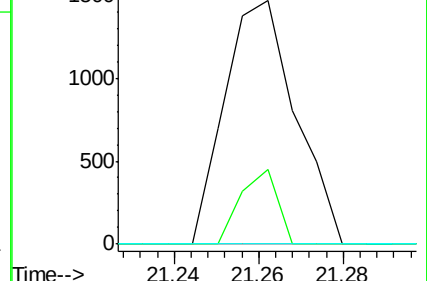
279 0.0 3.0 4.4#

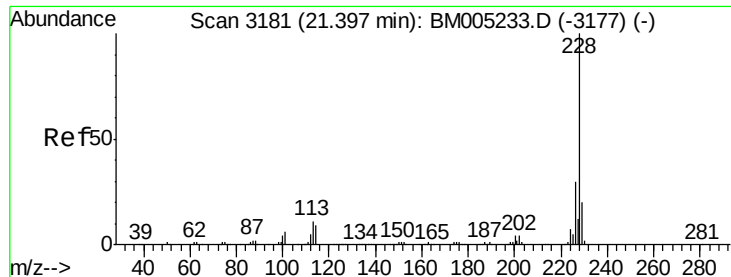


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 0.01 ng/ul

RT: 21.39 min Scan# 3179

Delta R.T. -0.01 min

Lab File: BM005250.D

Acq: 06 May 2016 00:30

Instrument :

BNA_M

ClientSampleId :

BC7S5

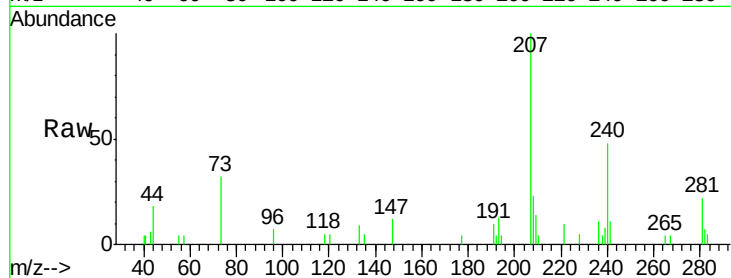
Tgt Ion: 228 Resp: 255

Ion Ratio Lower Upper

228 100

226 0.0 23.6 35.4#

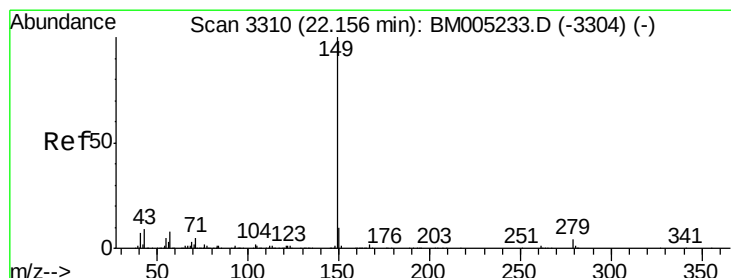
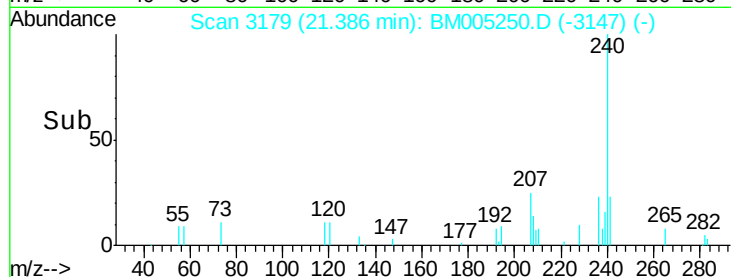
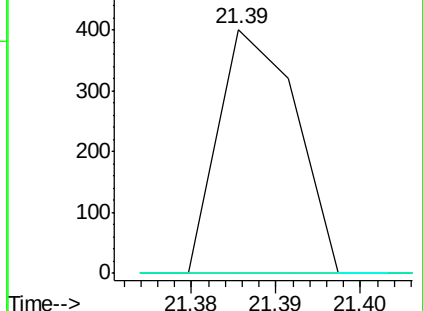
229 0.0 15.4 23.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Di-n-octyl phthalate

Concen: 0.01 ng/ul

RT: 22.14 min Scan# 3307

Delta R.T. -0.02 min

Lab File: BM005250.D

Acq: 06 May 2016 00:30

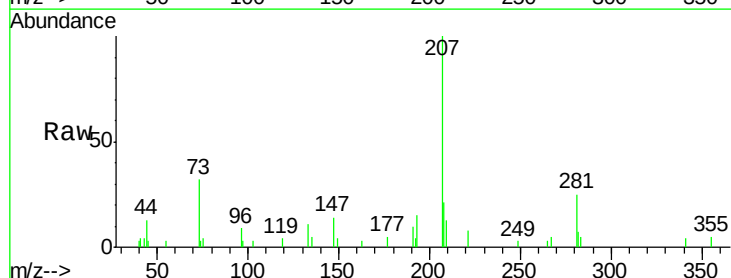
Tgt Ion: 149 Resp: 250

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

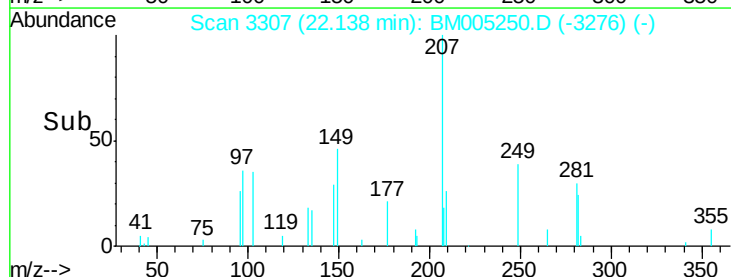
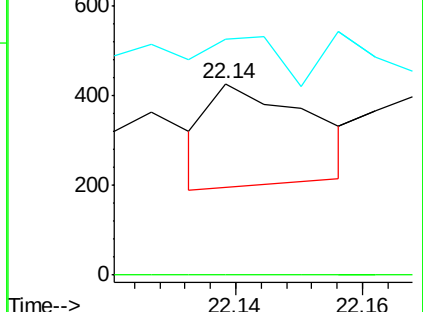
43 123.2 7.4 11.0#

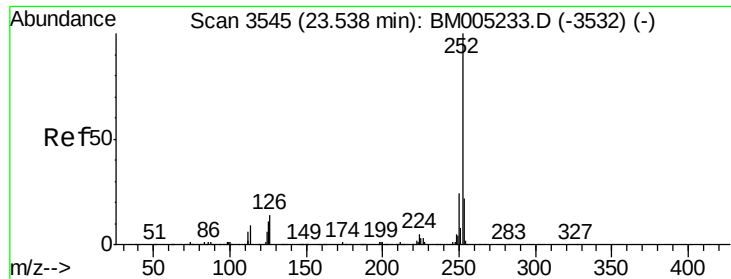


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM





#88

Benzo(a)pyrene

Concen: 0.08 ng/ul

RT: 23.49 min Scan# 3536

Delta R.T. -0.05 min

Lab File: BM005250.D

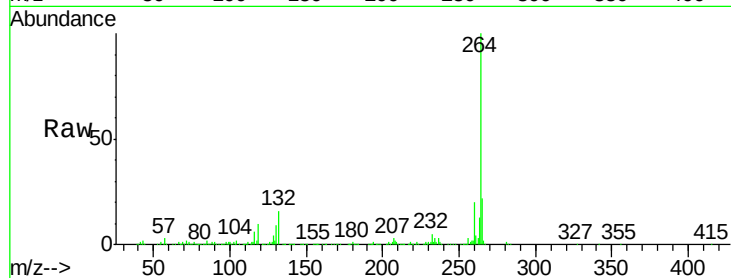
Acq: 06 May 2016 00:30

Instrument :

BNA_M

ClientSampleId :

BC7S5



Tgt Ion:	252	Resp:	2975
Ion	Ratio	Lower	Upper
252	100		
253	46.4	17.5	26.3#
125	56.2	8.7	13.1#

