

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072715\
 Data File : BM002068.D
 Acq On : 27 Jul 2015 19:13
 Operator : UM/HP
 Sample : MDL-05-S
 Misc : MDL-SOIL-SVOC-4PPM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-05-S

Quant Time: Jul 28 04:16:24 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 27 16:22:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	75125	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	287768	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.26	164	170750	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.01	188	384023	20.00	ng/ul	0.00
78) Chrysene-d12	21.20	240	442944	20.00	ng/ul	0.00
86) Perylene-d12	23.40	264	449273	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	9050	6.23	ng/uL	0.00
5) Phenol-d5	6.77	99	168645	31.40	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	96670	32.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	147927	32.49	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	137745	32.26	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	68674	33.57	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	77574	34.13	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.01	165	140318	32.06	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	184869	38.43	ng/ul	0.00
44) Dimethylphthalate-d6	13.67	166	422743	33.80	ng/ul	0.00
47) Acenaphthylene-d8	13.95	160	513236	32.82	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	64104	30.71	ng/ul	0.00
58) Fluorene-d10	15.26	176	365986	33.26	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	58509	24.91	ng/ul	0.00
71) Anthracene-d10	17.11	188	576649	33.64	ng/ul	0.00
79) Pyrene-d10	19.41	212	648110	34.76	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.27	264	743205	34.12	ng/ul	0.00

Target Compounds

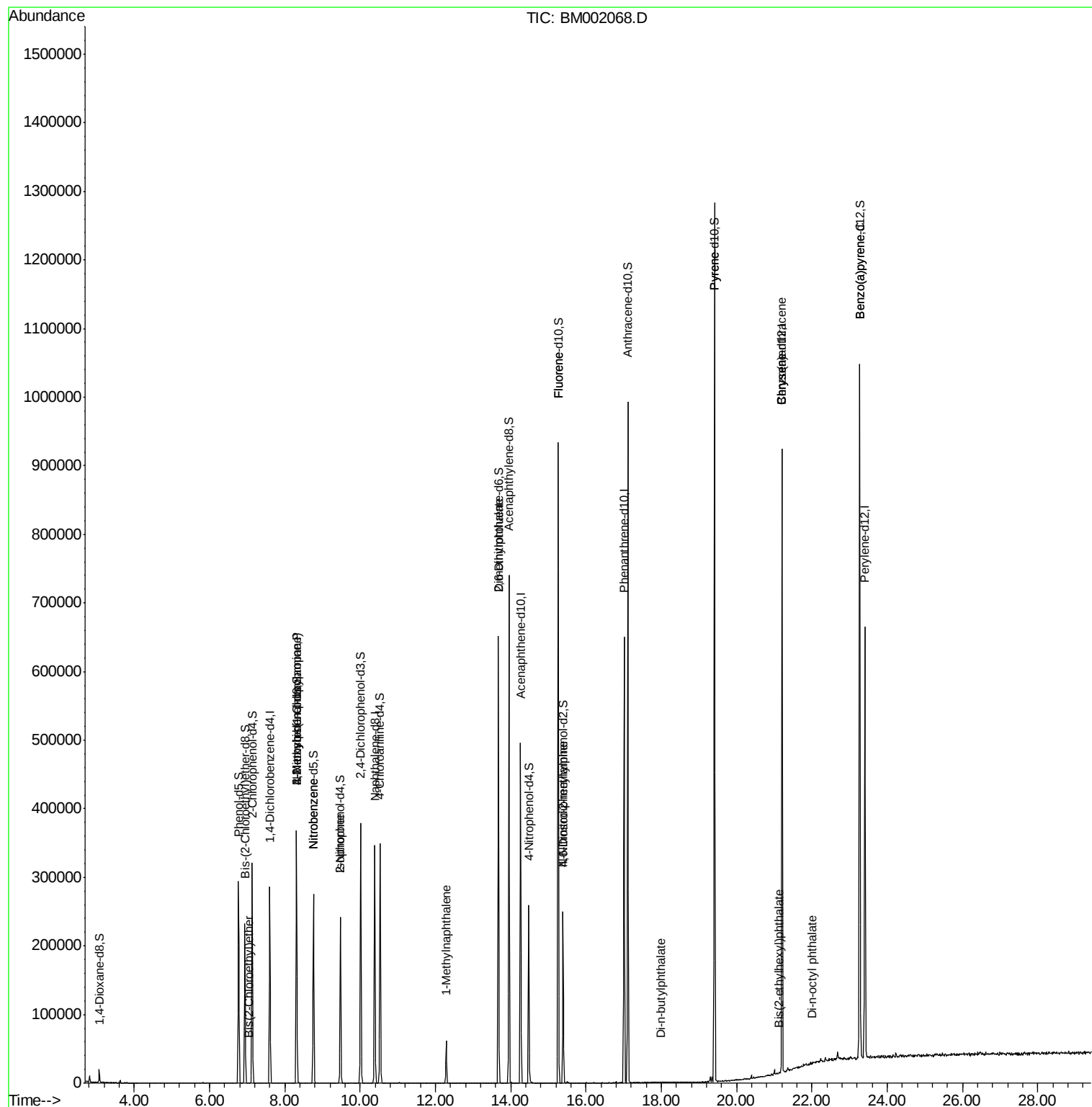
					Qvalue	
8) Bis(2-Chloroethyl)ether	7.03	93	258	0.06	ng/ul#	67
12) 2,2'-oxybis(1-Chloropropan	8.30	45	482	0.11	ng/ul#	56
15) N-Nitroso-di-n-propylamine	8.31	70	3322	1.01	ng/ul#	1
20) Nitrobenzene	8.76	77	227	0.05	ng/ul#	37
21) Isophorone	9.47	82	6333	0.74	ng/ul#	69
35) 1-Methylnaphthalene	12.28	142	29945	3.13	ng/ul	99
46) 2,6-Dinitrotoluene	13.68	165	2614	1.03	ng/ul#	44
59) Fluorene	15.25	166	690	0.06	ng/ul#	10
65) N-Nitrosodiphenylamine	15.39	169	248	0.02	ng/ul#	25
76) Di-n-butylphthalate	17.98	149	144	0.01	ng/ul#	79
80) Pyrene	19.41	202	551	0.02	ng/ul#	1
83) Benzo(a)anthracene	21.20	228	1058	0.04	ng/ul#	53
84) Bis(2-ethylhexyl)phthalate	21.12	149	351	0.02	ng/ul#	51
85) Chrysene	21.20	228	1058	0.05	ng/ul#	51
87) Di-n-octyl phthalate	22.00	149	110	0.00	ng/ul	100
91) Benzo(a)pyrene	23.27	252	2203	0.09	ng/ul#	74

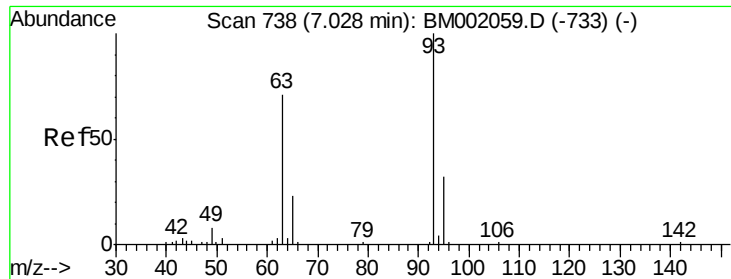
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Bis(2-Chloroethyl)ether

Concen: 0.06 ng/ul

RT: 7.03 min Scan# 739

Delta R.T. 0.01 min

Lab File: BM002068.D

Acq: 27 Jul 2015 19:13

Instrument :

BNA_M

ClientSampled :

MDL-05-S

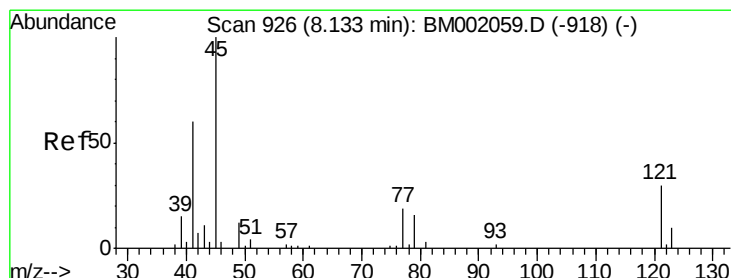
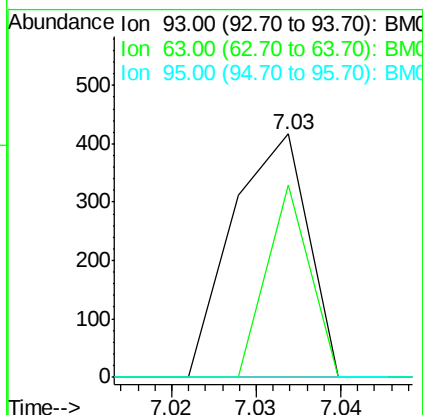
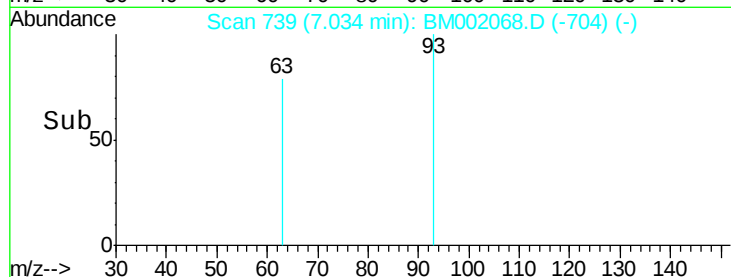
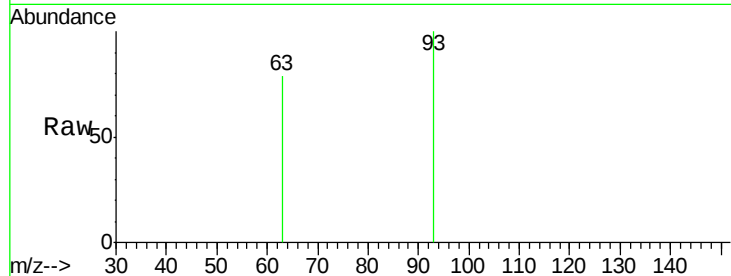
Tgt Ion: 93 Resp: 258

Ion Ratio Lower Upper

93 100

63 79.1 51.5 77.3#

95 0.0 27.0 40.4#



#12

2,2'-oxybis(1-Chloropropane)

Concen: 0.11 ng/ul

RT: 8.30 min Scan# 955

Delta R.T. 0.17 min

Lab File: BM002068.D

Acq: 27 Jul 2015 19:13

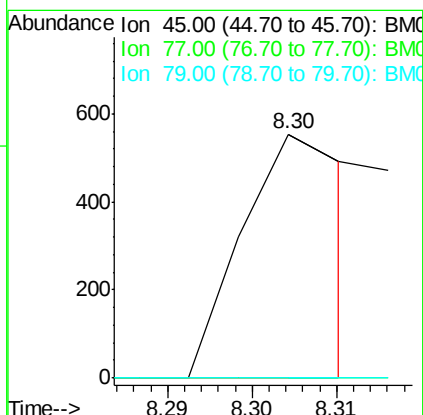
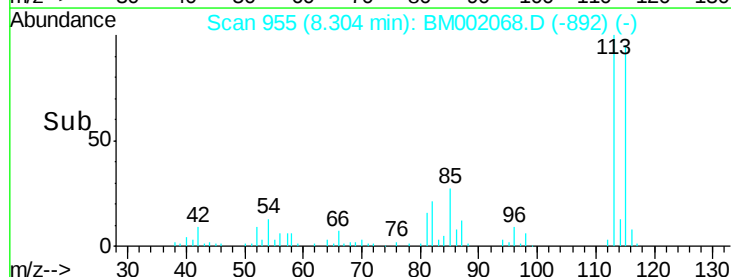
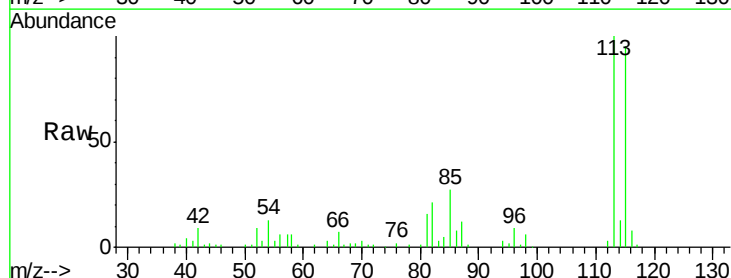
Tgt Ion: 45 Resp: 482

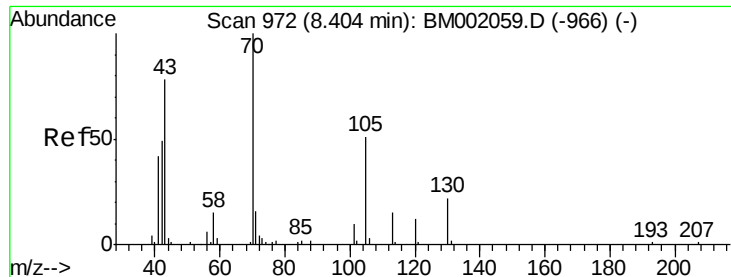
Ion Ratio Lower Upper

45 100

77 0.0 18.0 27.0#

79 0.0 13.9 20.9#





#15

N-Nitroso-di-n-propylamine

Concen: 1.01 ng/ul

RT: 8.31 min Scan# 956

Delta R.T. -0.09 min

Lab File: BM002068.D

Acq: 27 Jul 2015 19:13

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

Tgt Ion: 70 Resp: 3322

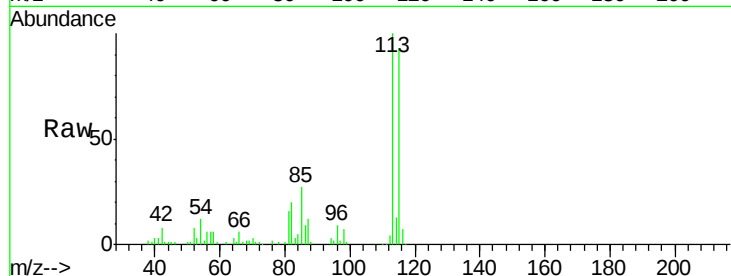
Ion Ratio Lower Upper

70 100

42 278.7 39.2 58.8#

101 0.0 8.6 12.8#

130 0.0 20.2 30.4#

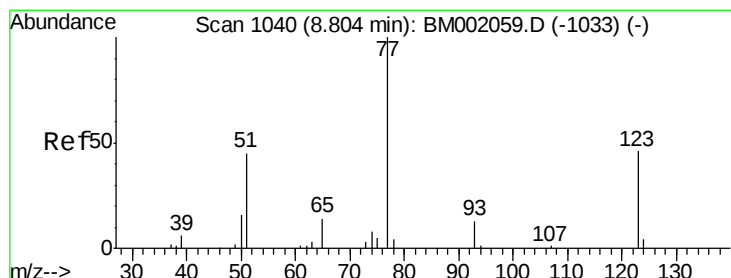
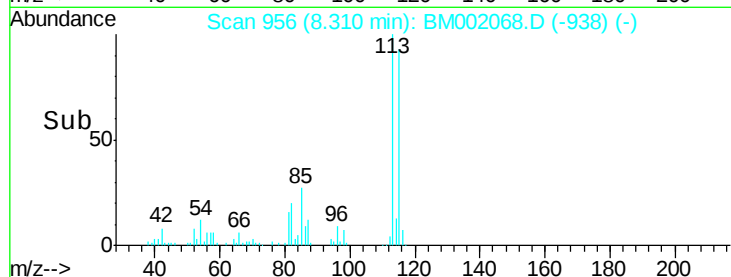
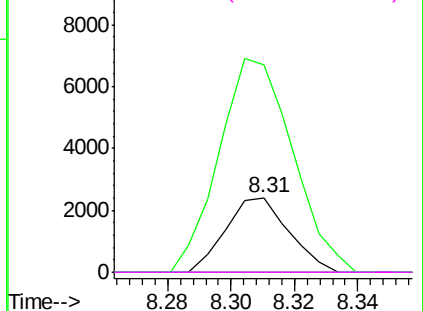


Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20

Nitrobenzene

Concen: 0.05 ng/ul

RT: 8.76 min Scan# 1032

Delta R.T. -0.05 min

Lab File: BM002068.D

Acq: 27 Jul 2015 19:13

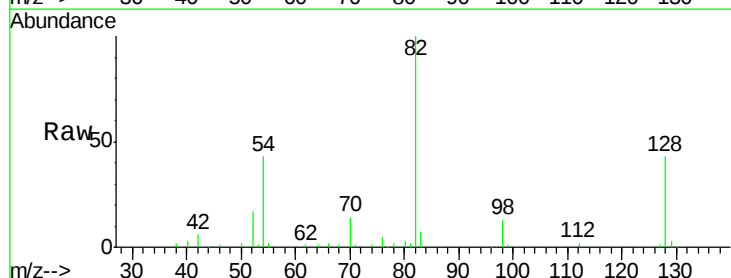
Tgt Ion: 77 Resp: 227

Ion Ratio Lower Upper

77 100

123 0.0 39.0 58.4#

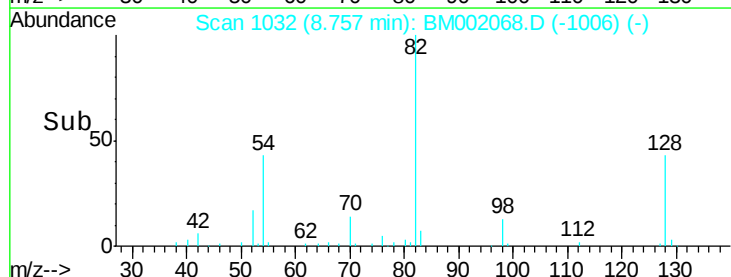
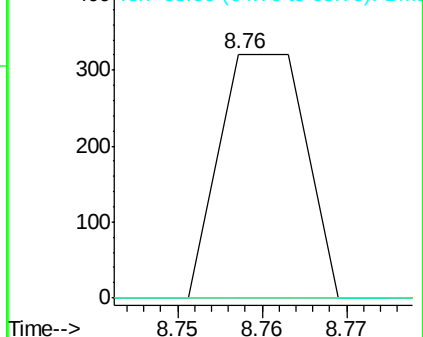
65 0.0 10.4 15.6#

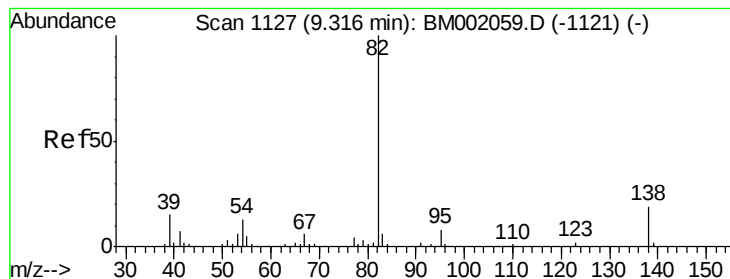


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BM0





#21

Isophorone

Concen: 0.74 ng/ul

RT: 9.47 min Scan# 1154

Delta R.T. 0.16 min

Lab File: BM002068.D

Acq: 27 Jul 2015 19:13

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

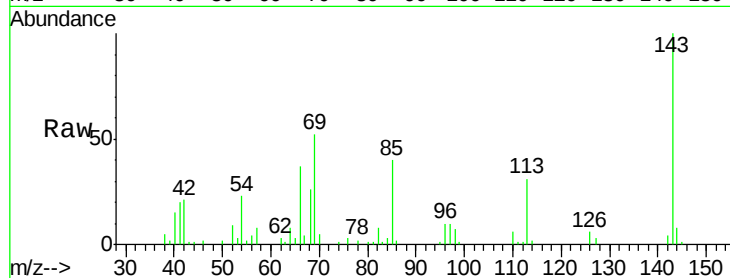
Tgt Ion: 82 Resp: 6333

Ion Ratio Lower Upper

82 100

95 9.0 6.5 9.7

138 0.0 15.4 23.2#

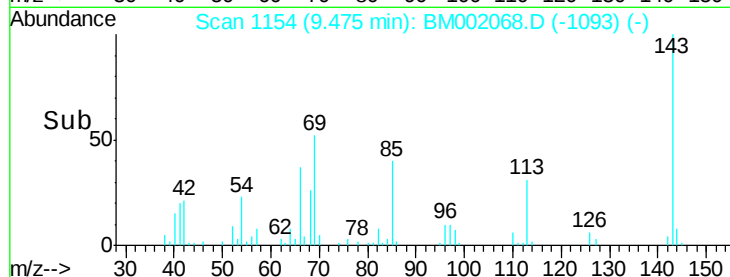


Abundance Ion 82.00 (81.70 to 82.70): BM002059.D (-1121) (-)

Ion 95.00 (94.70 to 95.70): BM002059.D (-1121) (-)

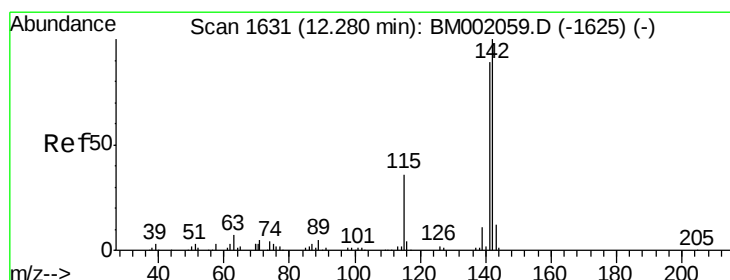
Ion 138.00 (137.70 to 138.70): BM002059.D (-1121) (-)

Time-->



Abundance

Time-->



#35

1-Methylnaphthalene

Concen: 3.13 ng/ul

RT: 12.28 min Scan# 1631

Delta R.T. 0.00 min

Lab File: BM002068.D

Acq: 27 Jul 2015 19:13

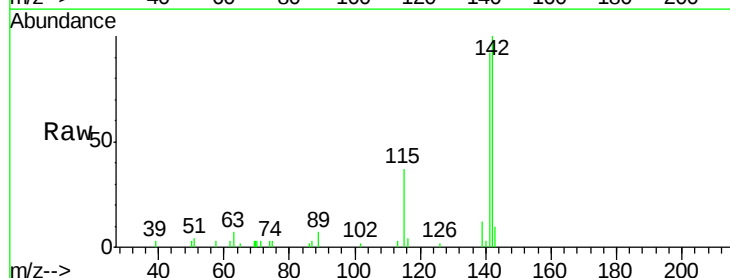
Tgt Ion: 142 Resp: 29945

Ion Ratio Lower Upper

142 100

141 91.5 72.4 108.6

116 4.1 3.2 4.8

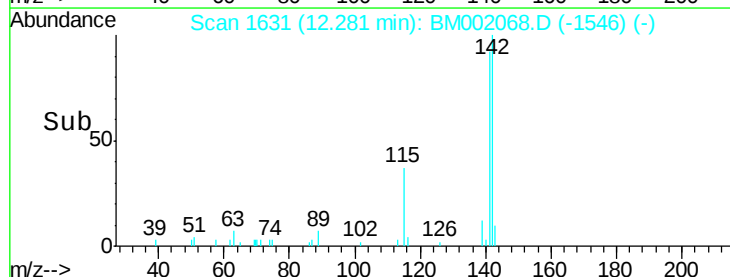


Abundance Ion 142.00 (141.70 to 142.70): BM002059.D (-1625) (-)

Ion 141.00 (140.70 to 141.70): BM002059.D (-1625) (-)

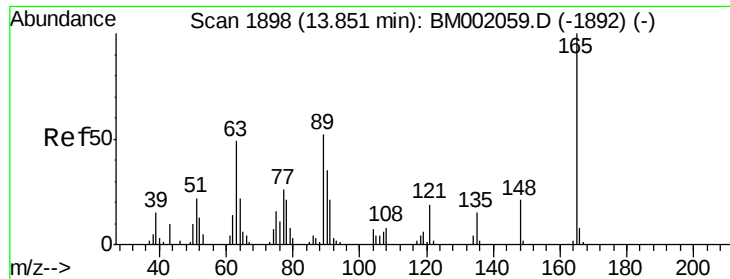
Ion 116.00 (115.70 to 116.70): BM002059.D (-1625) (-)

Time-->



Abundance

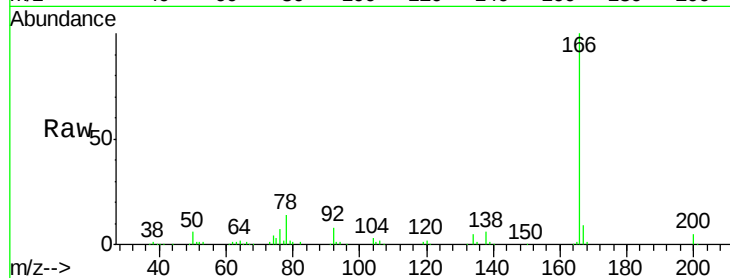
Time-->



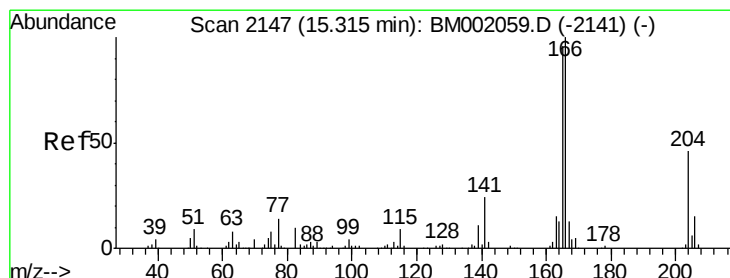
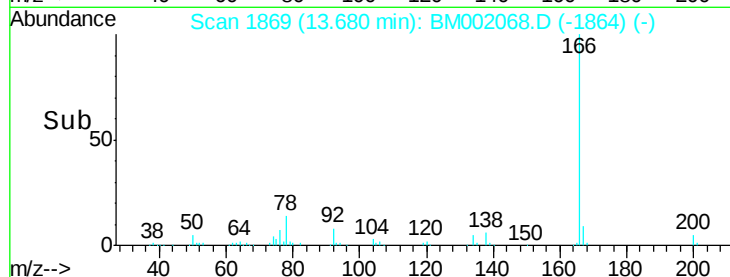
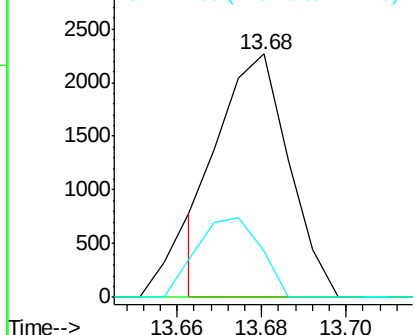
#46
 2,6-Dinitrotoluene
 Concen: 1.03 ng/ul
 RT: 13.68 min Scan# 1869
 Delta R.T. -0.17 min
 Lab File: BM002068.D
 Acq: 27 Jul 2015 19:13

Instrument :
 BNA_M
 ClientSampleId :
 MDL-05-S

Tgt Ion:165 Resp: 2614
 Ion Ratio Lower Upper
 165 100
 89 0.0 42.7 64.1#
 121 18.9 14.8 22.2

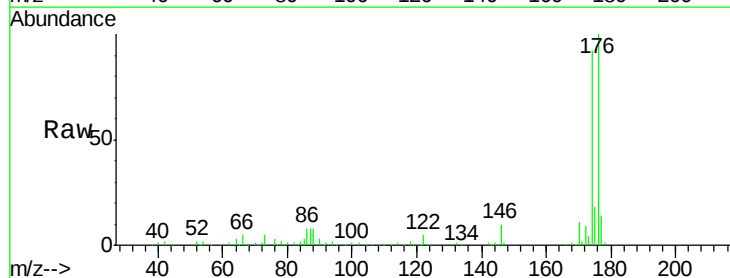


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 89.00 (88.70 to 89.70): BM0
 Ion 121.00 (120.70 to 121.70): E

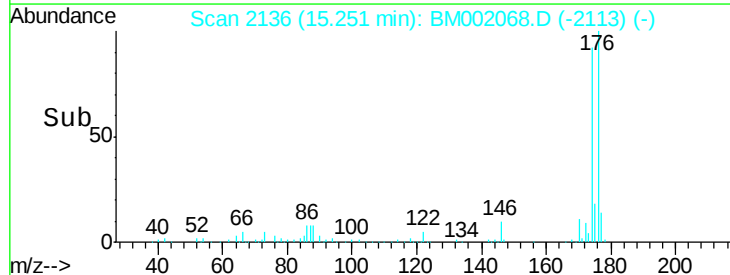
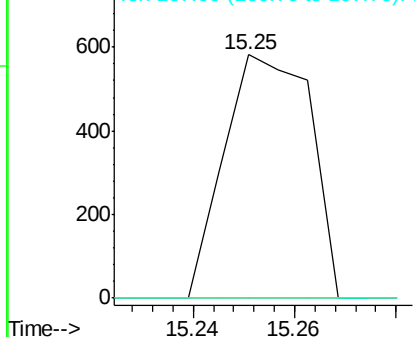


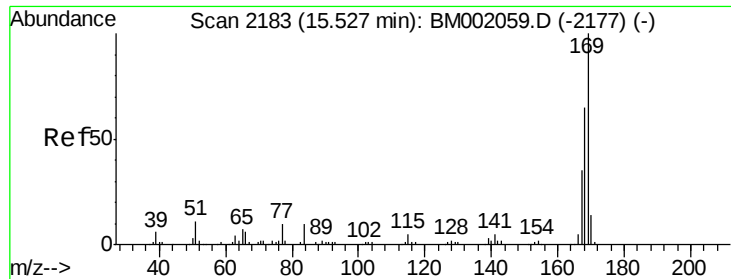
#59
 Fluorene
 Concen: 0.06 ng/ul
 RT: 15.25 min Scan# 2136
 Delta R.T. -0.06 min
 Lab File: BM002068.D
 Acq: 27 Jul 2015 19:13

Tgt Ion:166 Resp: 690
 Ion Ratio Lower Upper
 166 100
 165 0.0 75.6 113.4#
 167 0.0 10.5 15.7#



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





#65

N-Nitrosodiphenylamine

Concen: 0.02 ng/ul

RT: 15.39 min Scan# 2160

Delta R.T. -0.14 min

Lab File: BM002068.D

Acq: 27 Jul 2015 19:13

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

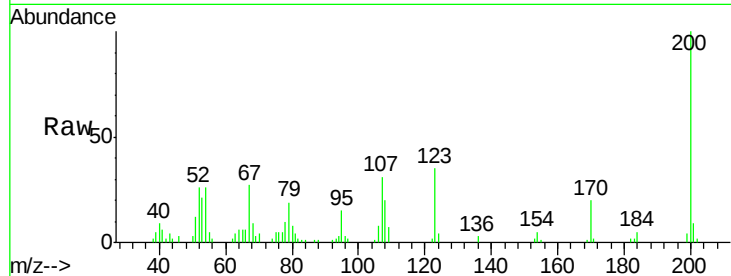
Tgt Ion:169 Resp: 248

Ion Ratio Lower Upper

169 100

168 0.0 52.6 79.0#

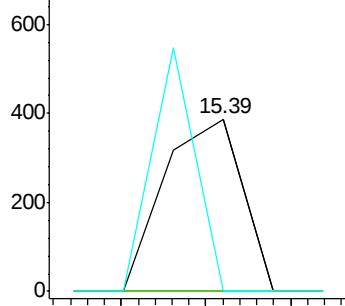
167 0.0 27.8 41.6#



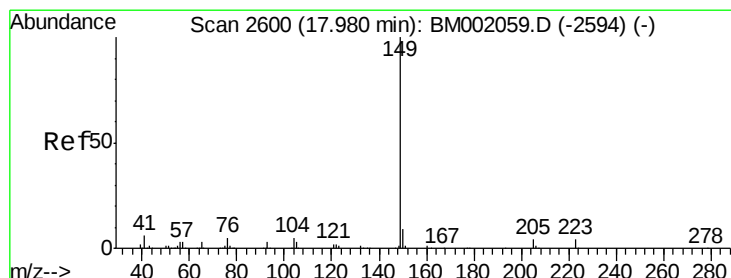
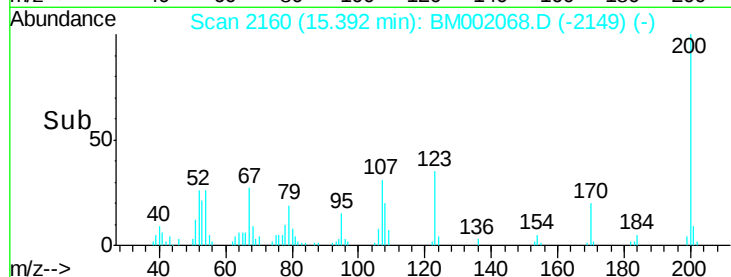
Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#76

Di-n-butylphthalate

Concen: 0.01 ng/ul

RT: 17.98 min Scan# 2600

Delta R.T. 0.00 min

Lab File: BM002068.D

Acq: 27 Jul 2015 19:13

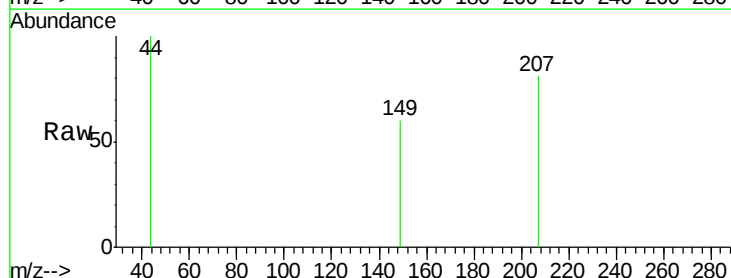
Tgt Ion:149 Resp: 144

Ion Ratio Lower Upper

149 100

150 0.0 7.0 10.4#

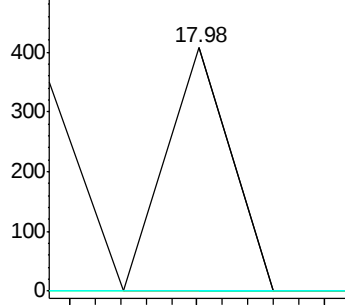
104 0.0 4.2 6.2#



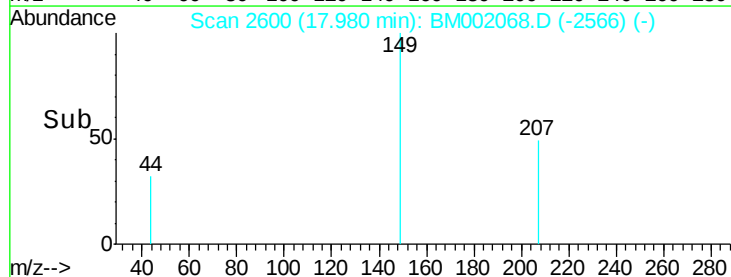
Abundance Ion 149.00 (148.70 to 149.70): E

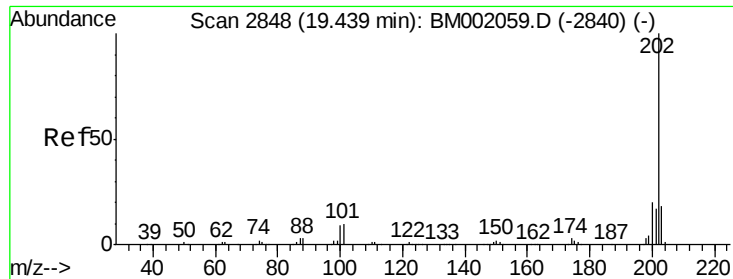
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->

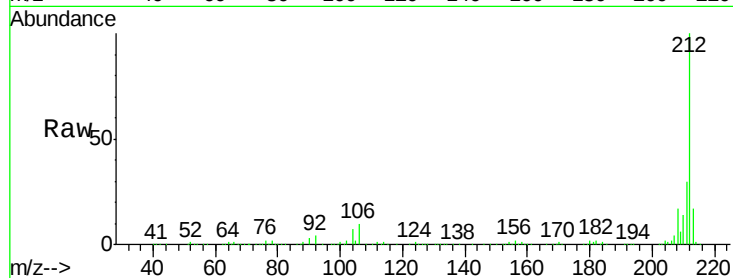




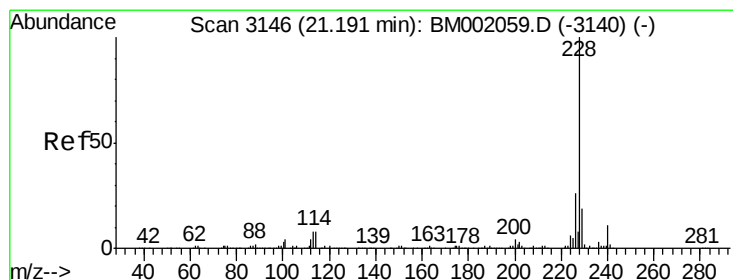
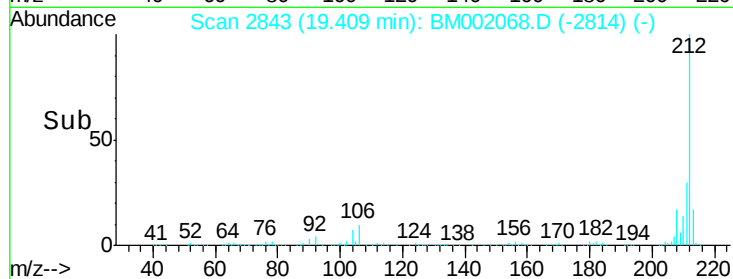
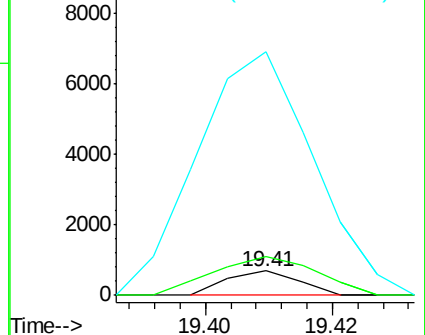
#80
Pyrene
Concen: 0.02 ng/ul
RT: 19.41 min Scan# 2843
Delta R.T. -0.03 min
Lab File: BM002068.D
Acq: 27 Jul 2015 19:13

Instrument :
BNA_M
ClientSampleId :
MDL-05-S

Tgt Ion:202 Resp: 551
Ion Ratio Lower Upper
202 100
101 158.4 7.4 11.2#
100 991.8 6.3 9.5#

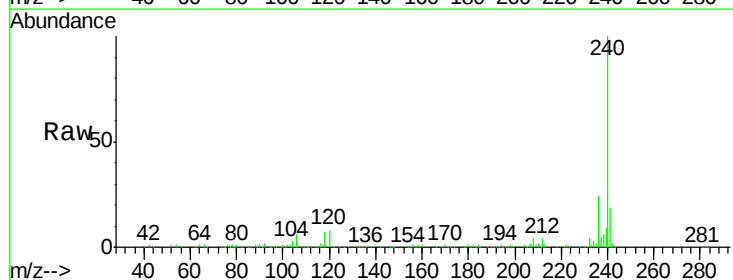


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

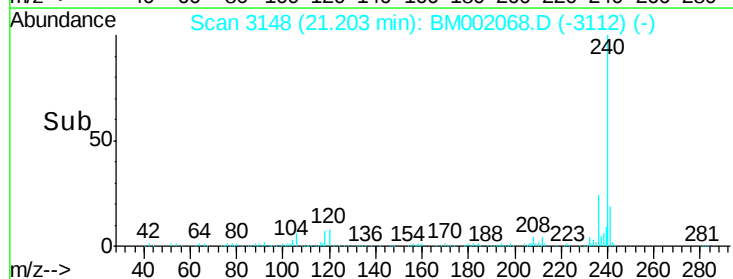
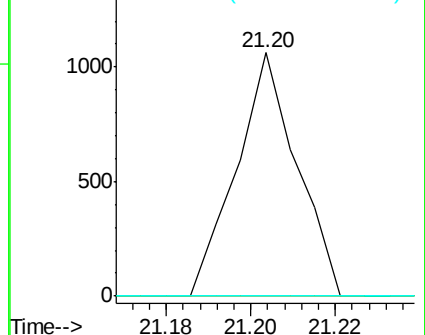


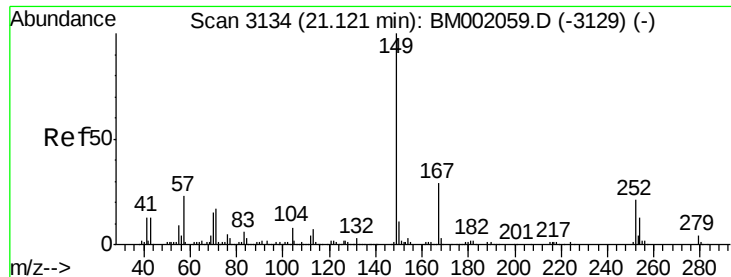
#83
Benzo(a)anthracene
Concen: 0.04 ng/ul
RT: 21.20 min Scan# 3148
Delta R.T. 0.01 min
Lab File: BM002068.D
Acq: 27 Jul 2015 19:13

Tgt Ion:228 Resp: 1058
Ion Ratio Lower Upper
228 100
229 0.0 15.4 23.2#
226 0.0 20.5 30.7#



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.02 ng/ul

RT: 21.12 min Scan# 3133

Delta R.T. -0.01 min

Lab File: BM002068.D

Acq: 27 Jul 2015 19:13

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

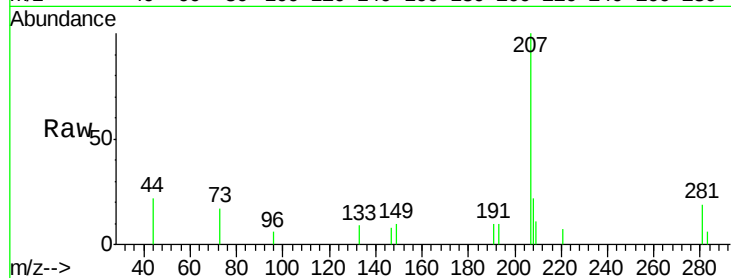
Tgt Ion:149 Resp: 351

Ion Ratio Lower Upper

149 100

167 0.0 23.6 35.4#

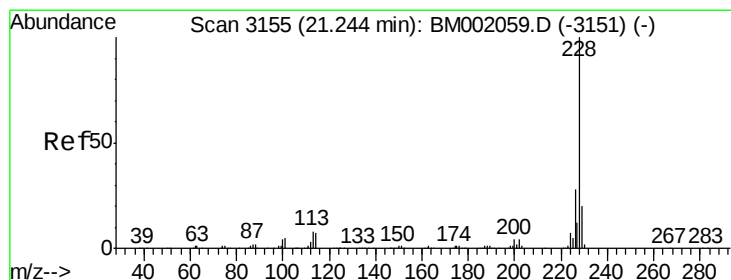
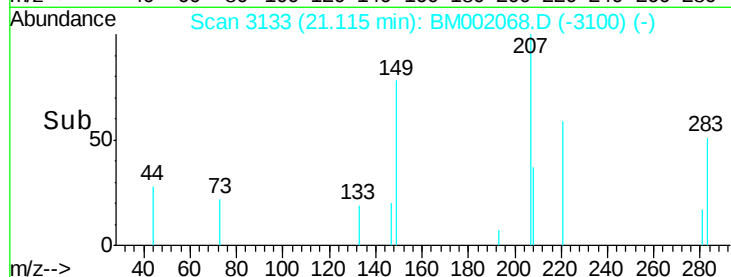
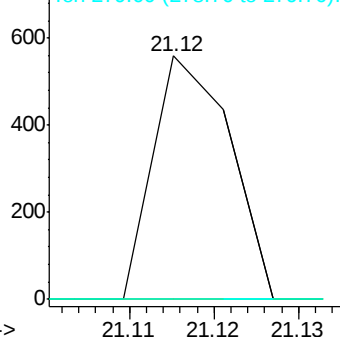
279 0.0 4.2 6.4#



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



#85

Chrysene

Concen: 0.05 ng/ul

RT: 21.20 min Scan# 3148

Delta R.T. -0.04 min

Lab File: BM002068.D

Acq: 27 Jul 2015 19:13

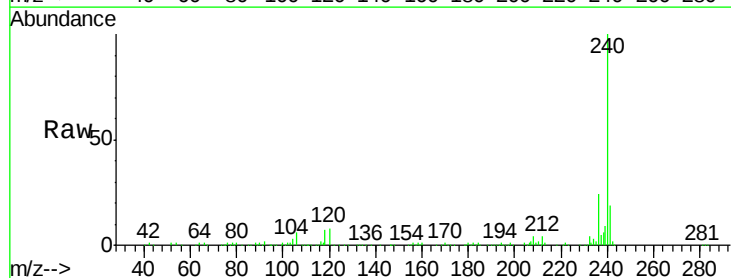
Tgt Ion:228 Resp: 1058

Ion Ratio Lower Upper

228 100

226 0.0 22.3 33.5#

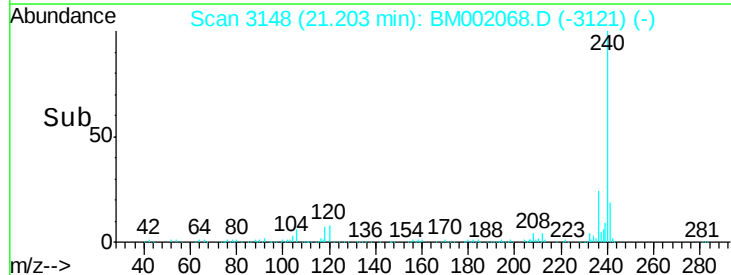
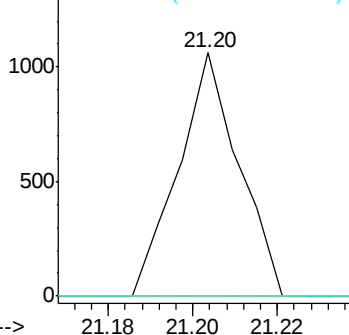
229 0.0 15.5 23.3#

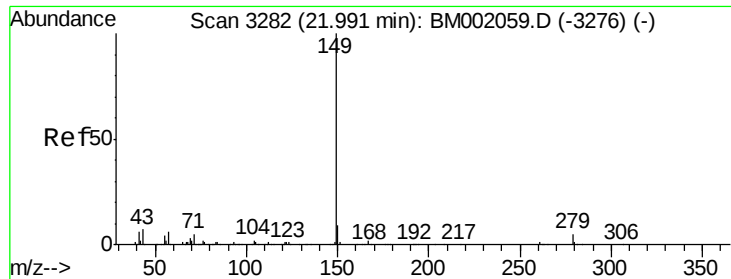


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

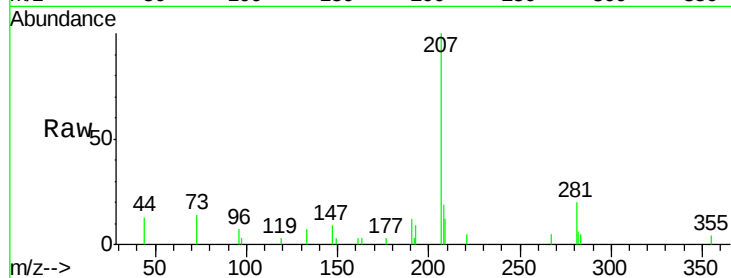




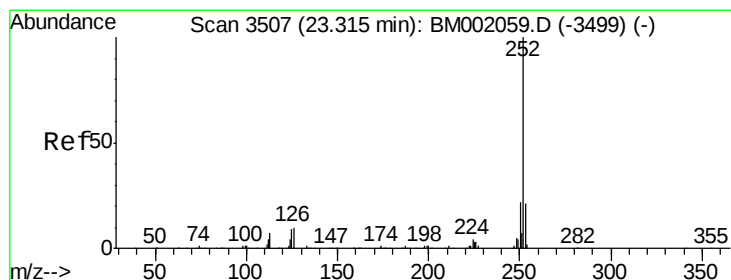
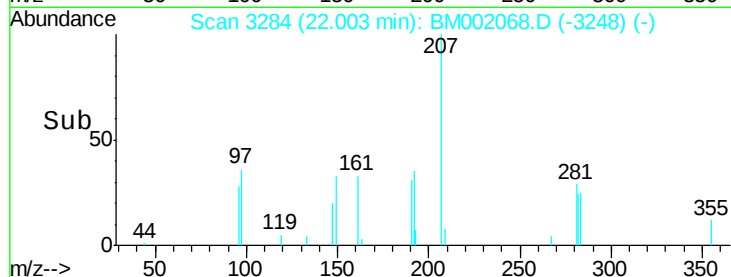
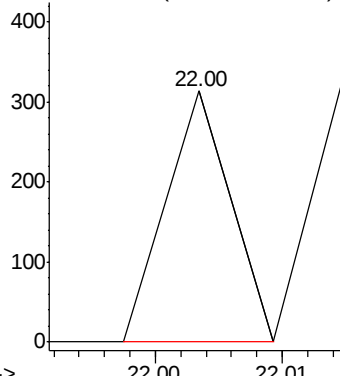
#87
Di-n-octyl phthalate
Concen: 0.00 ng/ul
RT: 22.00 min Scan# 3284
Delta R.T. 0.01 min
Lab File: BM002068.D
Acq: 27 Jul 2015 19:13

Instrument :
BNA_M
ClientSampleId :
MDL-05-S

Tgt Ion:149 Resp: 110

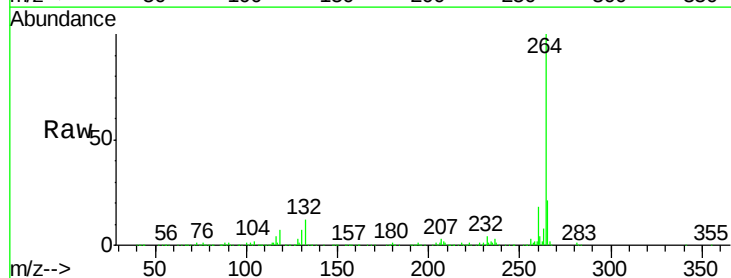


Abundance Ion 149.00 (148.70 to 149.70): E



#91
Benzo(a)pyrene
Concen: 0.09 ng/ul
RT: 23.27 min Scan# 3499
Delta R.T. -0.05 min
Lab File: BM002068.D
Acq: 27 Jul 2015 19:13

Tgt Ion:252 Resp: 2203
Ion Ratio Lower Upper
252 100
253 34.5 17.2 25.8#
125 0.0 6.6 10.0#



Abundance Ion 252.00 (251.70 to 252.70): E

