

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072715\
 Data File : BM002064.D
 Acq On : 27 Jul 2015 16:45
 Operator : UM/HP
 Sample : MDL-01-S
 Misc : MDL-SOIL-SVOC-4PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-S

Quant Time: Jul 28 04:15:30 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	88058	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	336350	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.26	164	192856	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.01	188	430663	20.00	ng/ul	0.00
78) Chrysene-d12	21.21	240	501260	20.00	ng/ul	0.00
86) Perylene-d12	23.41	264	504807	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	8979	5.28	ng/uL	0.00
5) Phenol-d5	6.77	99	165614	26.31	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	94802	27.23	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	144511	27.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	132281	26.43	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	66258	27.71	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	74561	28.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.01	165	135831	26.55	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	177609	31.59	ng/ul	0.00
44) Dimethylphthalate-d6	13.67	166	398688	28.22	ng/ul	0.00
47) Acenaphthylene-d8	13.95	160	486366	27.54	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	60445	25.64	ng/ul	0.00
58) Fluorene-d10	15.26	176	344729	27.73	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	58155	22.08	ng/ul	0.00
71) Anthracene-d10	17.11	188	535419	27.85	ng/ul	0.00
79) Pyrene-d10	19.41	212	604350	28.64	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.27	264	701272	28.66	ng/ul	0.00

Target Compounds

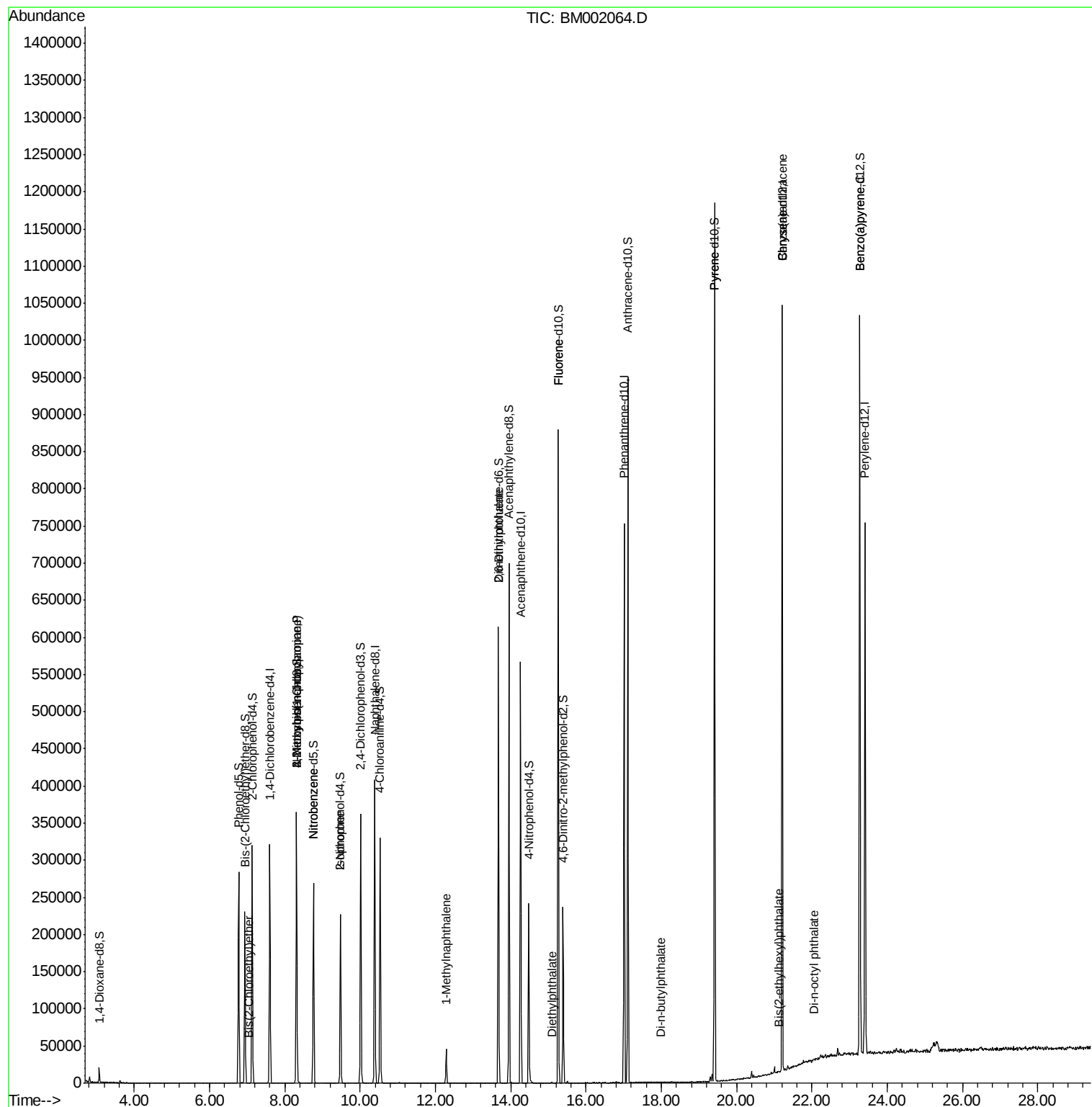
						Qvalue
8) Bis(2-Chloroethyl)ether	7.03	93	417	0.09	ng/ul#	26
12) 2,2'-oxybis(1-Chloropropan	8.30	45	332	0.07	ng/ul#	56
15) N-Nitroso-di-n-propylamine	8.31	70	3184	0.83	ng/ul#	1
20) Nitrobenzene	8.76	77	403	0.07	ng/ul#	37
21) Isophorone	9.47	82	6231	0.62	ng/ul#	69
35) 1-Methylnaphthalene	12.28	142	24180	2.16	ng/ul	97
46) 2,6-Dinitrotoluene	13.67	165	2349	0.82	ng/ul#	34
57) Diethylphthalate	15.09	149	1506	0.11	ng/ul#	58
59) Fluorene	15.26	166	717	0.05	ng/ul#	10
76) Di-n-butylphthalate	17.97	149	350	0.02	ng/ul#	79
80) Pyrene	19.41	202	455	0.02	ng/ul#	1
83) Benzo(a)anthracene	21.20	228	1096	0.04	ng/ul#	53
84) Bis(2-ethylhexyl)phthalate	21.11	149	509	0.03	ng/ul#	51
85) Chrysene	21.20	228	1096	0.04	ng/ul#	51
87) Di-n-octyl phthalate	22.04	149	227	0.01	ng/ul	100
91) Benzo(a)pyrene	23.27	252	2156	0.08	ng/ul#	65

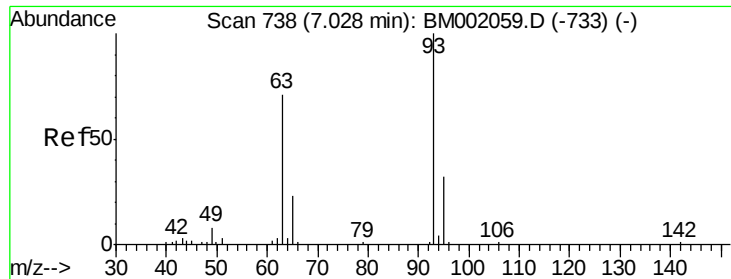
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Bis(2-Chloroethyl)ether

Concen: 0.09 ng/ul

RT: 7.03 min Scan# 738

Delta R.T. -0.00 min

Lab File: BM002064.D

Acq: 27 Jul 2015 16:45

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

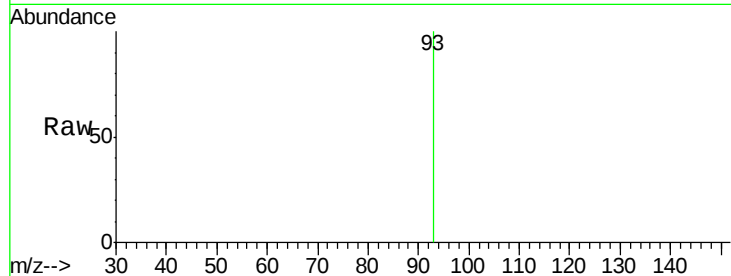
Tgt Ion: 93 Resp: 417

Ion Ratio Lower Upper

93 100

63 0.0 51.5 77.3#

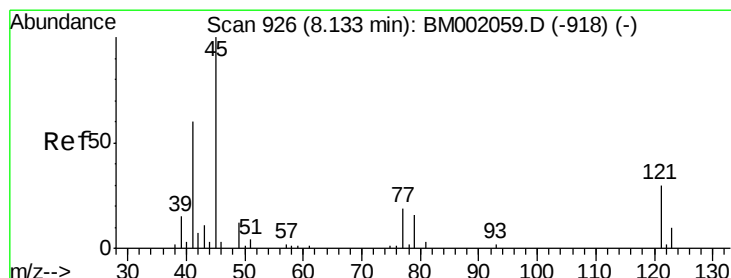
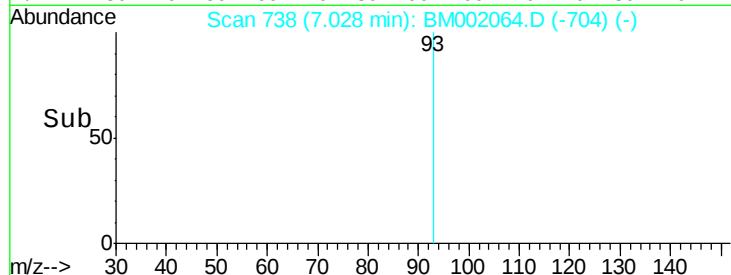
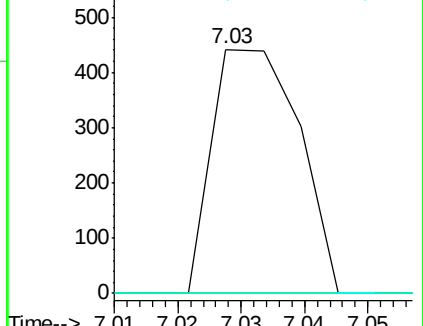
95 0.0 27.0 40.4#



Abundance Ion 93.00 (92.70 to 93.70): BM002059.D (-733) (-)

Ion 63.00 (62.70 to 63.70): BM002059.D (-733) (-)

Ion 95.00 (94.70 to 95.70): BM002059.D (-733) (-)



#12

2,2'-oxybis(1-Chloropropane)

Concen: 0.07 ng/ul

RT: 8.30 min Scan# 955

Delta R.T. 0.17 min

Lab File: BM002064.D

Acq: 27 Jul 2015 16:45

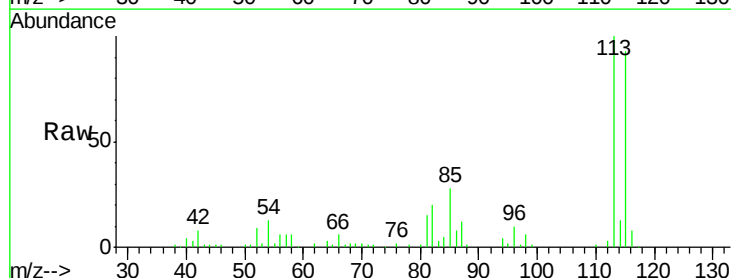
Tgt Ion: 45 Resp: 332

Ion Ratio Lower Upper

45 100

77 0.0 18.0 27.0#

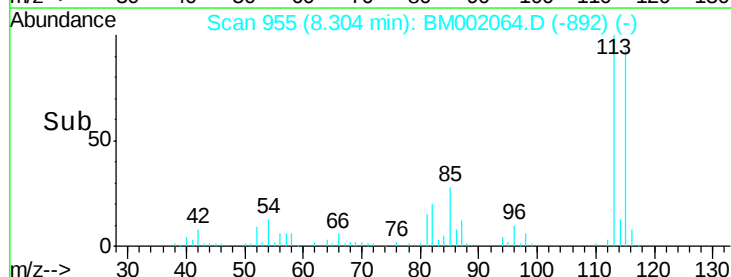
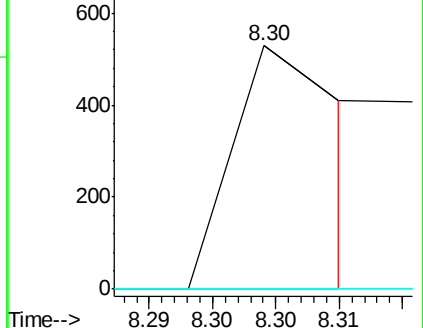
79 0.0 13.9 20.9#

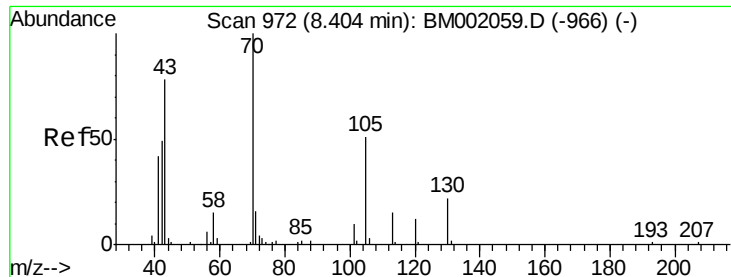


Abundance Ion 45.00 (44.70 to 45.70): BM002059.D (-918) (-)

Ion 77.00 (76.70 to 77.70): BM002059.D (-918) (-)

Ion 79.00 (78.70 to 79.70): BM002059.D (-918) (-)





#15

N-Nitroso-di-n-propylamine

Concen: 0.83 ng/ul

RT: 8.31 min Scan# 956

Delta R.T. -0.09 min

Lab File: BM002064.D

Acq: 27 Jul 2015 16:45

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

Tgt Ion: 70 Resp: 3184

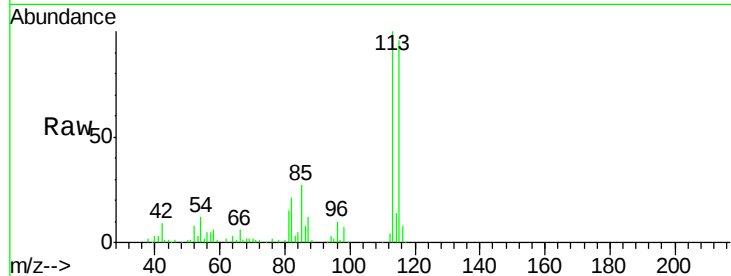
Ion Ratio Lower Upper

70 100

42 360.6 39.2 58.8#

101 0.0 8.6 12.8#

130 0.0 20.2 30.4#

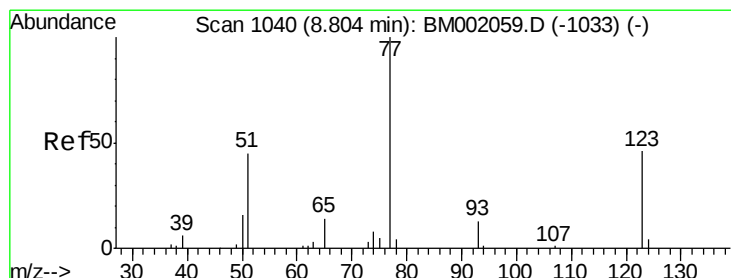
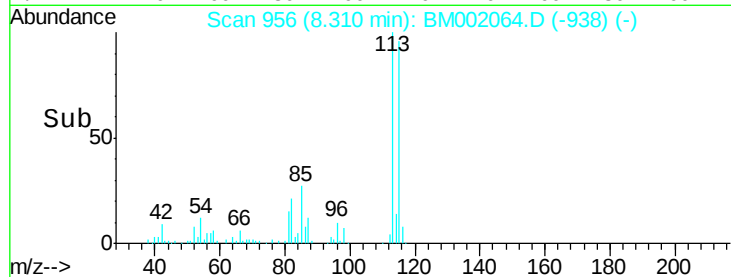
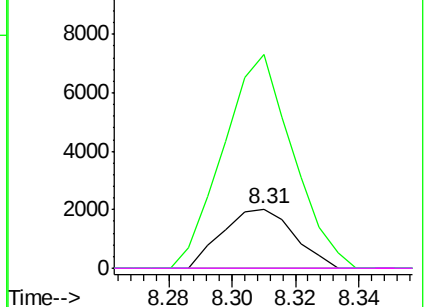


Abundance Ion 70.00 (69.70 to 70.70): BM0

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: 0.07 ng/ul

RT: 8.76 min Scan# 1033

Delta R.T. -0.04 min

Lab File: BM002064.D

Acq: 27 Jul 2015 16:45

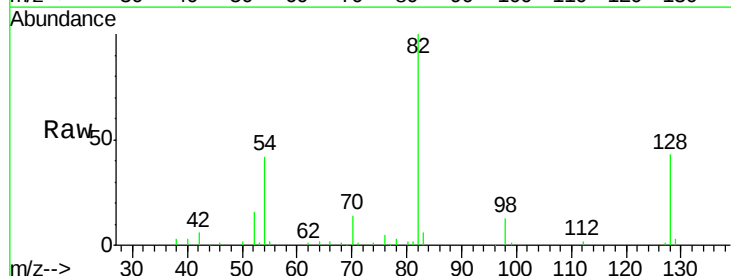
Tgt Ion: 77 Resp: 403

Ion Ratio Lower Upper

77 100

123 0.0 39.0 58.4#

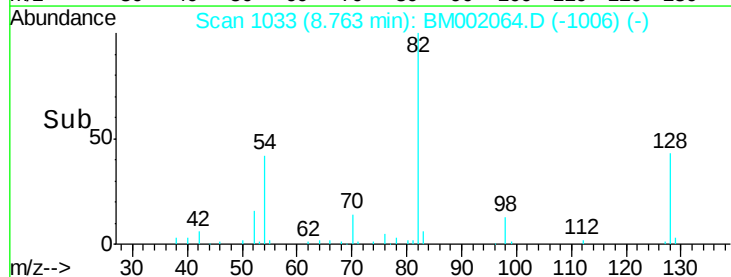
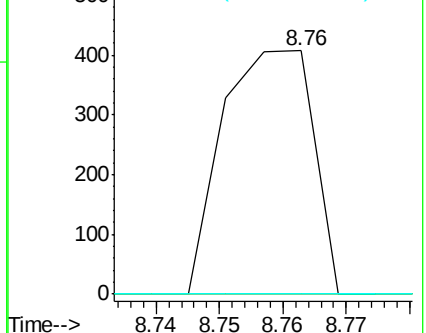
65 0.0 10.4 15.6#

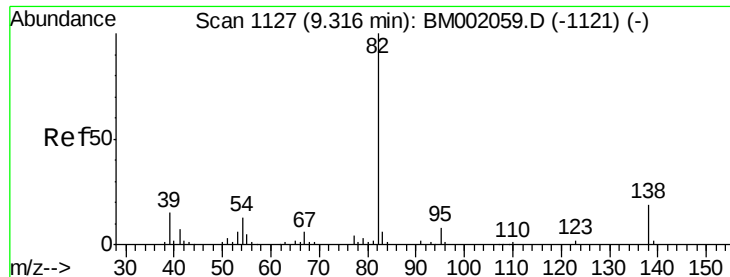


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BM0





#21

Isophorone

Concen: 0.62 ng/ul

RT: 9.47 min Scan# 1154

Delta R.T. 0.16 min

Lab File: BM002064.D

Acq: 27 Jul 2015 16:45

Instrument :

BNA_M

ClientSampled :

MDL-01-S

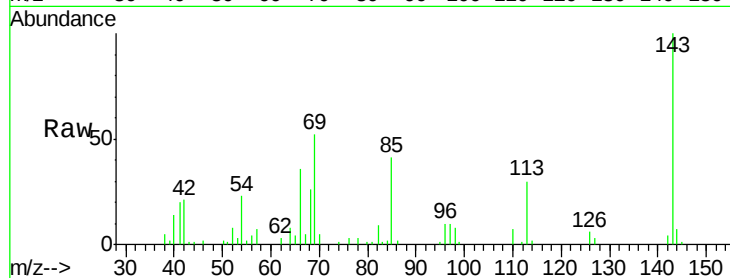
Tgt Ion: 82 Resp: 6231

Ion Ratio Lower Upper

82 100

95 8.9 6.5 9.7

138 0.0 15.4 23.2#

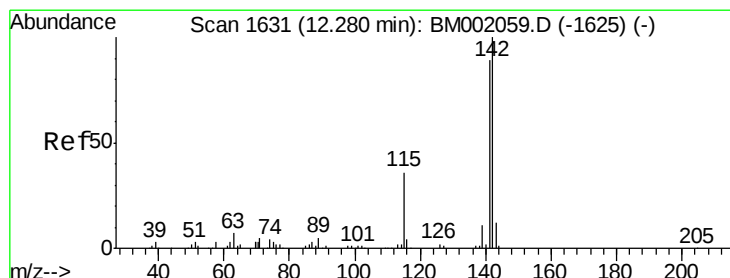
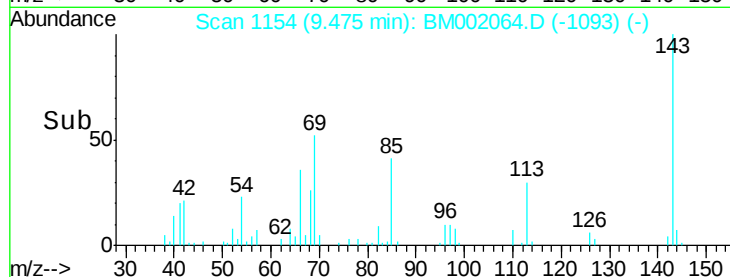


Abundance Ion 82.00 (81.70 to 82.70): BM002059.D (-1121) (-)

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

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

Time-->



#35

1-Methylnaphthalene

Concen: 2.16 ng/ul

RT: 12.28 min Scan# 1631

Delta R.T. -0.00 min

Lab File: BM002064.D

Acq: 27 Jul 2015 16:45

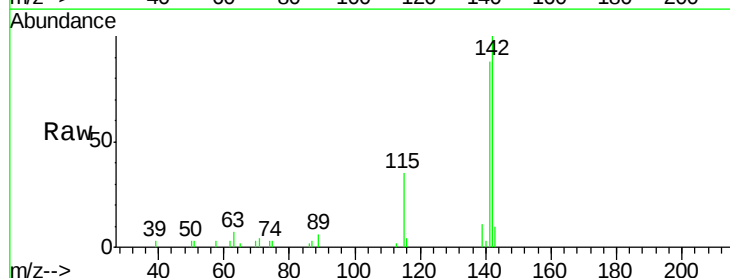
Tgt Ion: 142 Resp: 24180

Ion Ratio Lower Upper

142 100

141 87.5 72.4 108.6

116 4.4 3.2 4.8

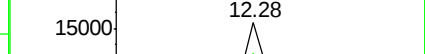
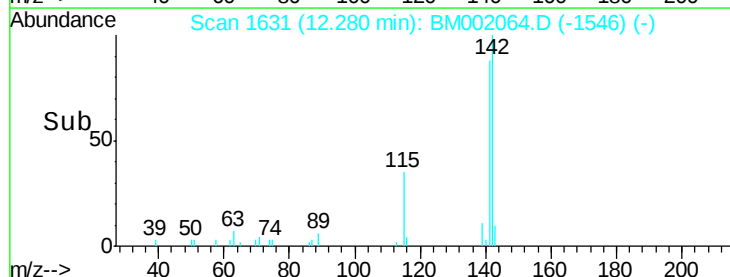


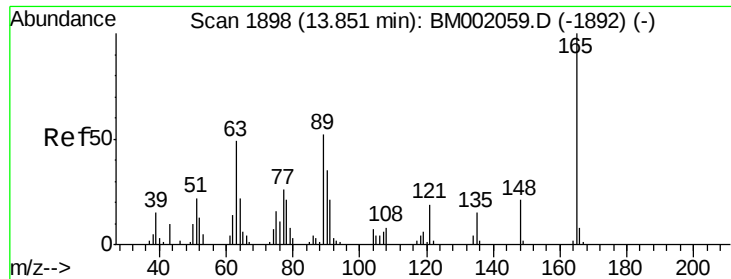
Abundance Ion 142.00 (141.70 to 142.70): BM002059.D (-1625) (-)

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

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

Time-->

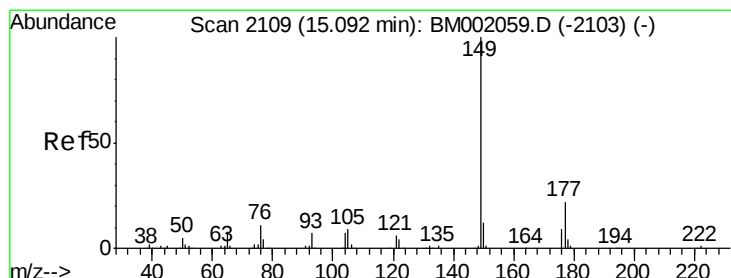
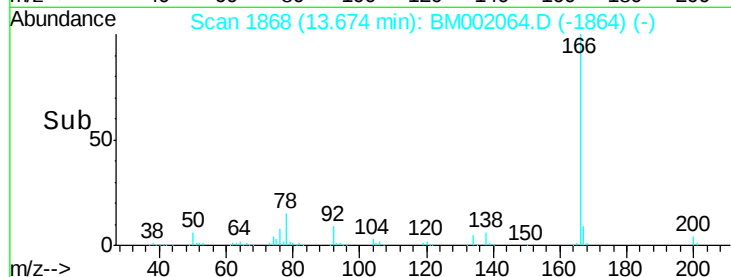
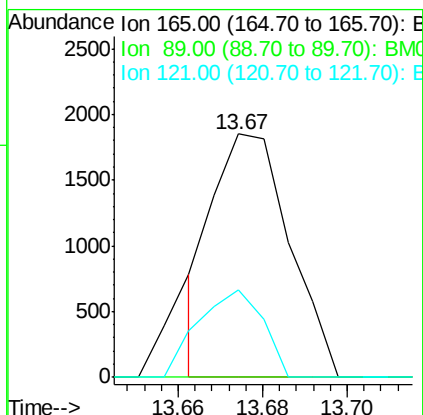
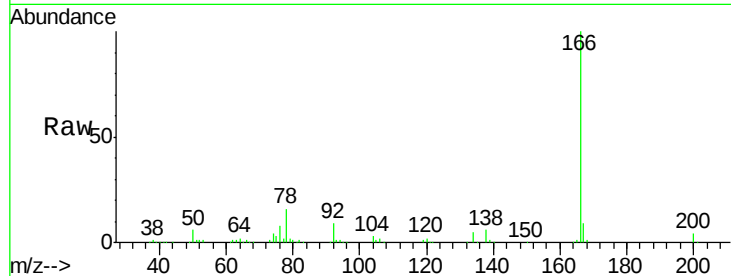




#46
 2,6-Dinitrotoluene
 Concen: 0.82 ng/ul
 RT: 13.67 min Scan# 1868
 Delta R.T. -0.18 min
 Lab File: BM002064.D
 Acq: 27 Jul 2015 16:45

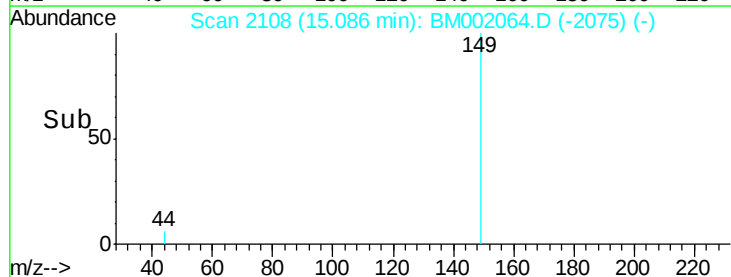
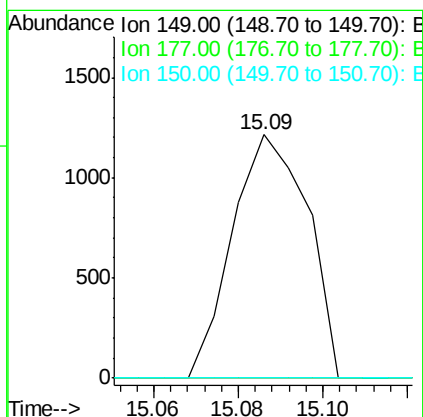
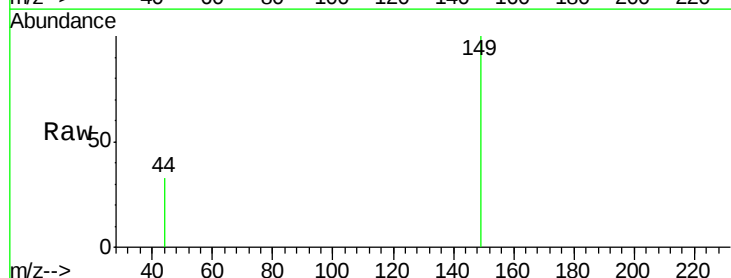
Instrument :
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 MDL-01-S

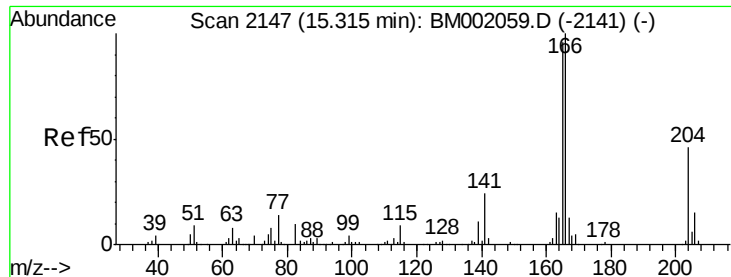
Tgt Ion:165 Resp: 2349
 Ion Ratio Lower Upper
 165 100
 89 0.0 42.7 64.1#
 121 35.7 14.8 22.2#



#57
 Diethylphthalate
 Concen: 0.11 ng/ul
 RT: 15.09 min Scan# 2108
 Delta R.T. -0.01 min
 Lab File: BM002064.D
 Acq: 27 Jul 2015 16:45

Tgt Ion:149 Resp: 1506
 Ion Ratio Lower Upper
 149 100
 177 0.0 18.4 27.6#
 150 0.0 10.1 15.1#





#59

Fluorene

Concen: 0.05 ng/ul

RT: 15.26 min Scan# 2137

Delta R.T. -0.06 min

Lab File: BM002064.D

Acq: 27 Jul 2015 16:45

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

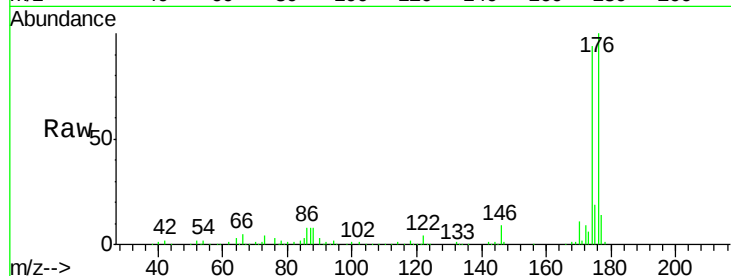
Tgt Ion:166 Resp: 717

Ion Ratio Lower Upper

166 100

165 0.0 75.6 113.4#

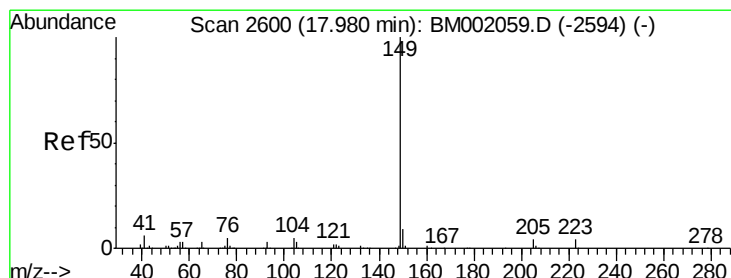
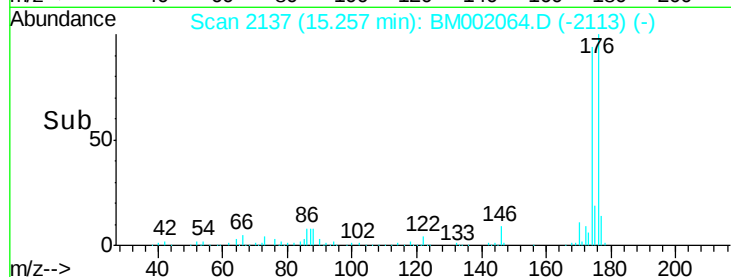
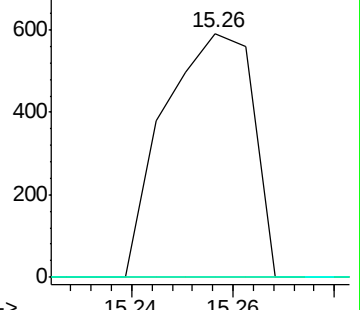
167 0.0 10.5 15.7#



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



#76

Di-n-butylphthalate

Concen: 0.02 ng/ul

RT: 17.97 min Scan# 2599

Delta R.T. -0.01 min

Lab File: BM002064.D

Acq: 27 Jul 2015 16:45

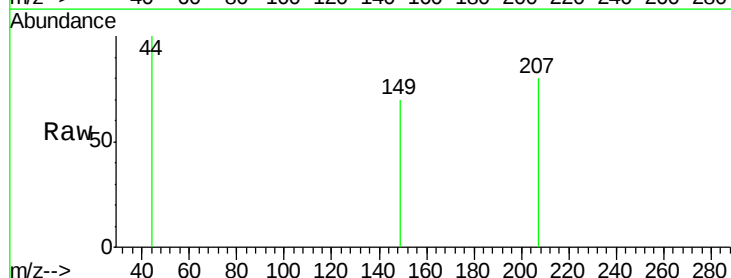
Tgt Ion:149 Resp: 350

Ion Ratio Lower Upper

149 100

150 0.0 7.0 10.4#

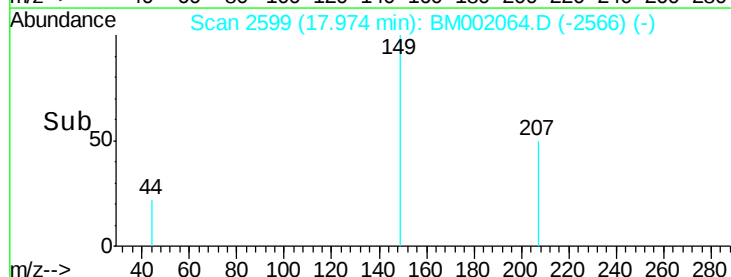
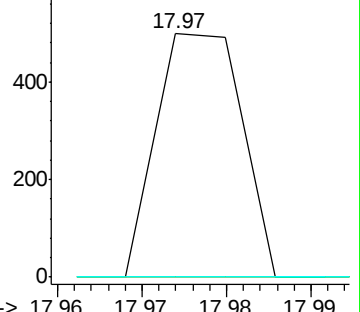
104 0.0 4.2 6.2#

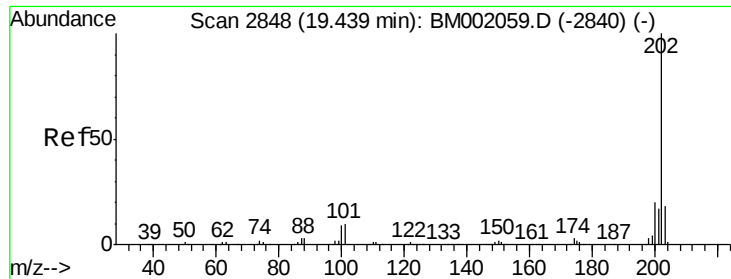


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

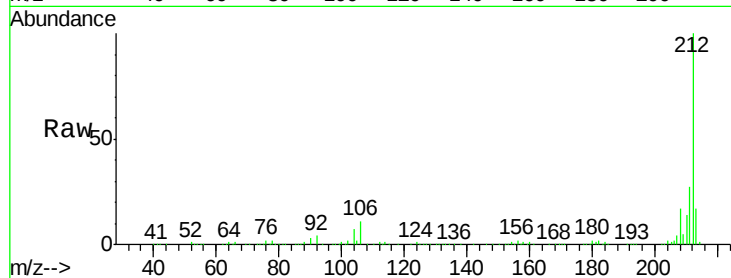




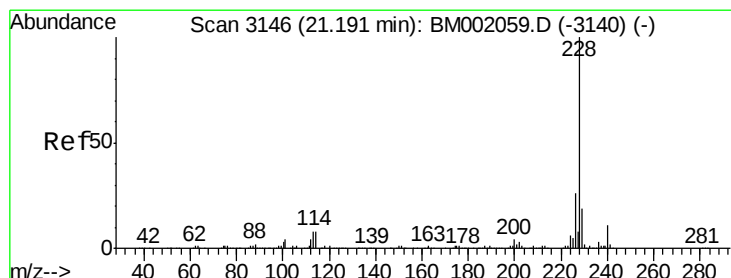
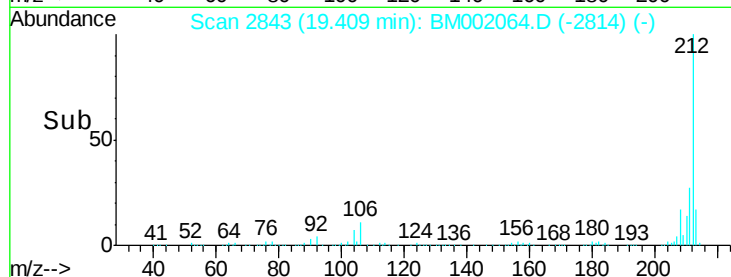
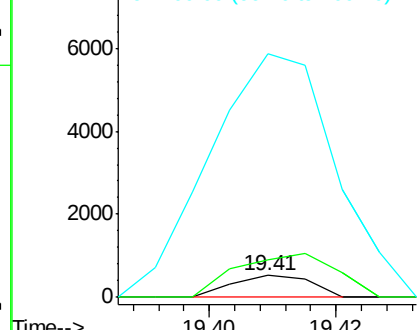
#80
 Pyrene
 Concen: 0.02 ng/ul
 RT: 19.41 min Scan# 2843
 Delta R.T. -0.03 min
 Lab File: BM002064.D
 Acq: 27 Jul 2015 16:45

Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-S

Tgt Ion: 202 Resp: 455
 Ion Ratio Lower Upper
 202 100
 101 169.8 7.4 11.2#
 100 1118.9 6.3 9.5#

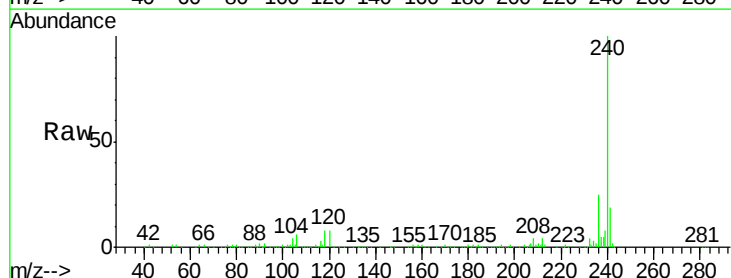


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

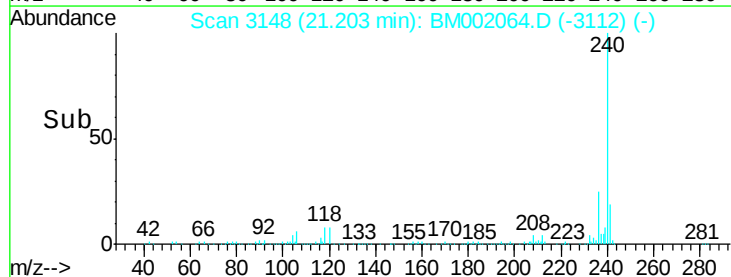
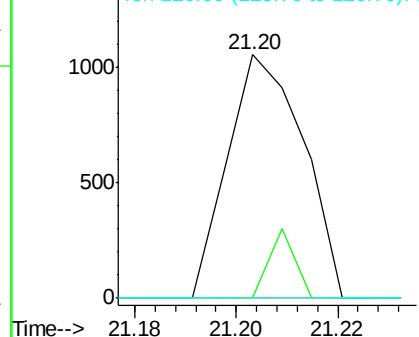


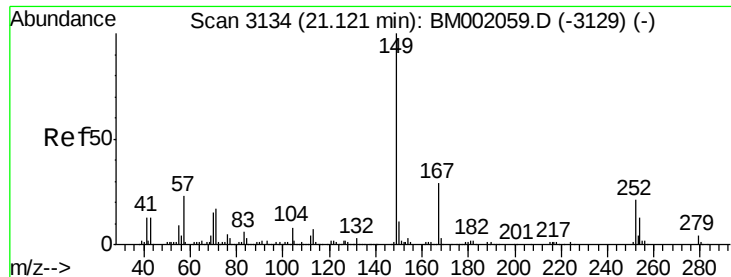
#83
 Benzo(a)anthracene
 Concen: 0.04 ng/ul
 RT: 21.20 min Scan# 3148
 Delta R.T. 0.01 min
 Lab File: BM002064.D
 Acq: 27 Jul 2015 16:45

Tgt Ion: 228 Resp: 1096
 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: 0.03 ng/ul

RT: 21.11 min Scan# 3133

Delta R.T. -0.01 min

Lab File: BM002064.D

Acq: 27 Jul 2015 16:45

Instrument :

BNA_M

ClientSampleId :

MDL-01-S

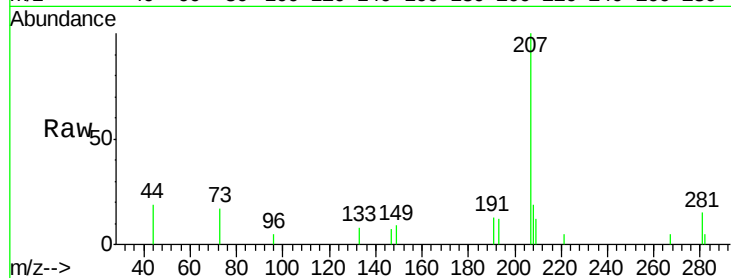
Tgt Ion:149 Resp: 509

Ion Ratio Lower Upper

149 100

167 0.0 23.6 35.4#

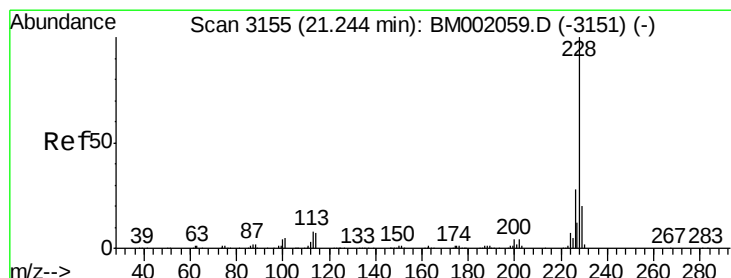
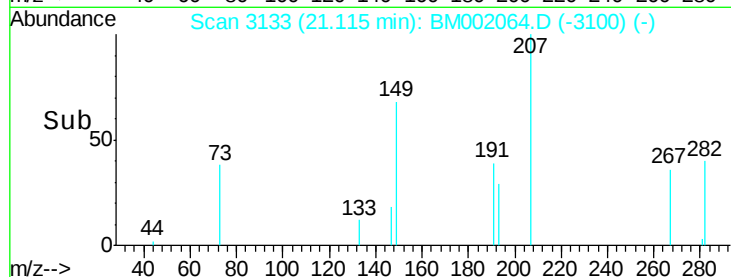
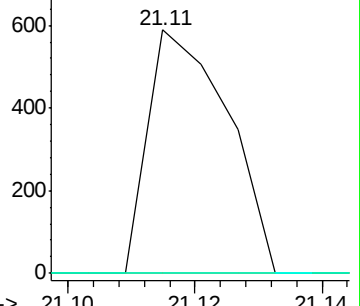
279 0.0 4.2 6.4#



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: 0.04 ng/ul

RT: 21.20 min Scan# 3148

Delta R.T. -0.04 min

Lab File: BM002064.D

Acq: 27 Jul 2015 16:45

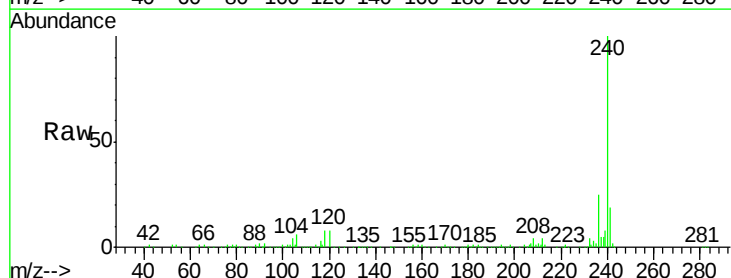
Tgt Ion:228 Resp: 1096

Ion Ratio Lower Upper

228 100

226 0.0 22.3 33.5#

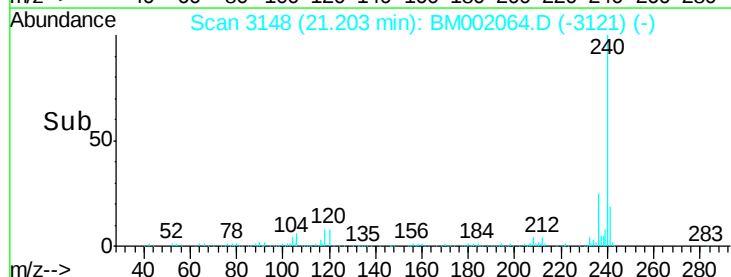
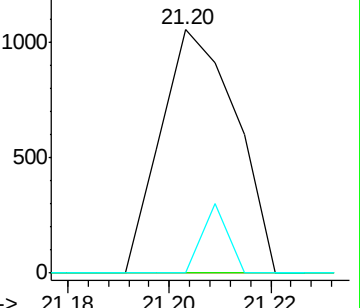
229 0.0 15.5 23.3#

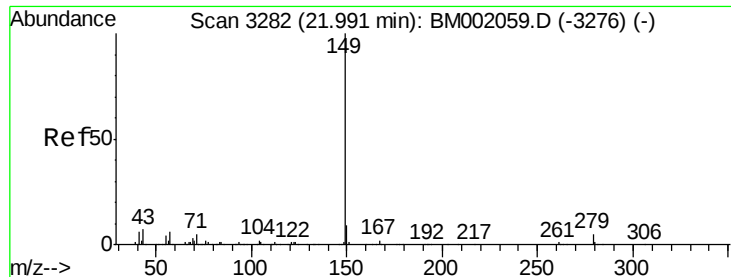


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

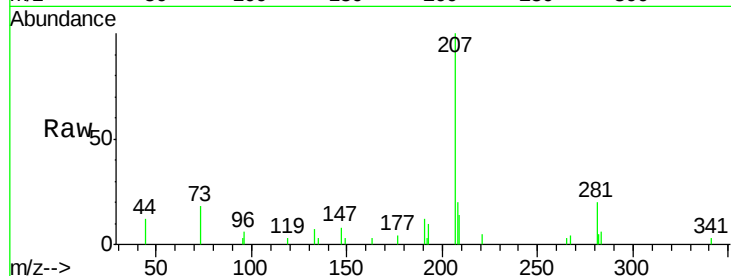




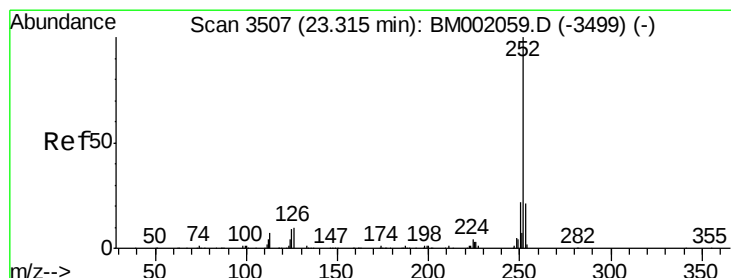
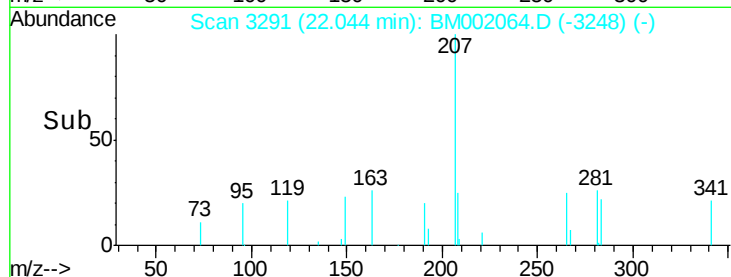
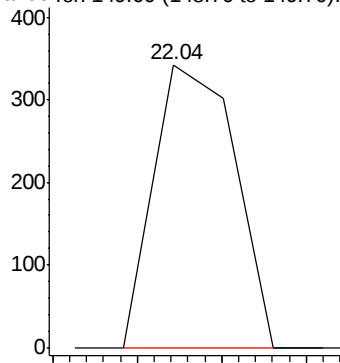
#87
Di-n-octyl phthalate
Concen: 0.01 ng/u1
RT: 22.04 min Scan# 3291
Delta R.T. 0.05 min
Lab File: BM002064.D
Acq: 27 Jul 2015 16:45

Instrument :
BNA_M
ClientSampleId :
MDL-01-S

Tgt Ion:149 Resp: 227

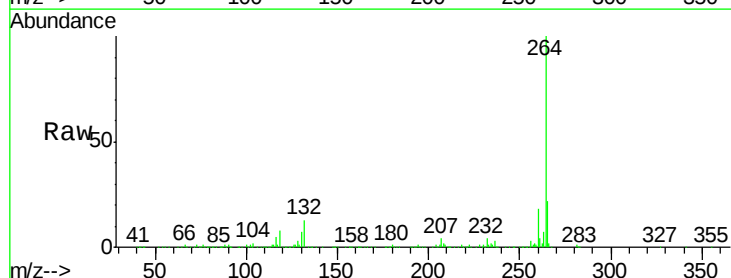


Abundance Ion 149.00 (148.70 to 149.70): E



#91
Benzo(a)pyrene
Concen: 0.08 ng/u1
RT: 23.27 min Scan# 3499
Delta R.T. -0.05 min
Lab File: BM002064.D
Acq: 27 Jul 2015 16:45

Tgt Ion:252 Resp: 2156
Ion Ratio Lower Upper
252 100
253 36.7 17.2 25.8#
125 23.9 6.6 10.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

