

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051116\
 Data File : BM005391.D
 Acq On : 11 May 2016 17:38
 Operator : UM/SJ
 Sample : H2834-15MSD
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H4061MSD

Quant Time: May 12 03:32:42 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 12 02:20:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	82034	20.00	ng/ul	0.00
18) Naphthalene-d8	10.55	136	396823	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.40	164	246636	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.15	188	565411	20.00	ng/ul	0.00
75) Chrysene-d12	21.34	240	491456	20.00	ng/ul	0.00
83) Perylene-d12	23.62	264	383045	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	6683	3.83	ng/uL	0.00
5) Phenol-d5	6.93	99	177887	23.91	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.09	67	101700	23.96	ng/ul	0.00
9) 2-Chlorophenol-d4	7.29	132	136366	24.27	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	152180	24.75	ng/ul	0.00
19) Nitrobenzene-d5	8.92	128	73903	26.09	ng/ul	0.00
22) 2-Nitrophenol-d4	9.63	143	87938	27.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.17	165	150988	25.32	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	88055	12.27	ng/ul	0.00
43) Dimethylphthalate-d6	13.81	166	511295	25.86	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	598182	25.80	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	63788	17.68	ng/ul	0.00
57) Fluorene-d10	15.40	176	419623	24.58	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.52	200	63911	20.09	ng/ul	0.00
70) Anthracene-d10	17.25	188	636975	25.49	ng/ul	0.00
76) Pyrene-d10	19.55	212	693209	30.56	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.47	264	432899	25.53	ng/ul	0.00

Target Compounds

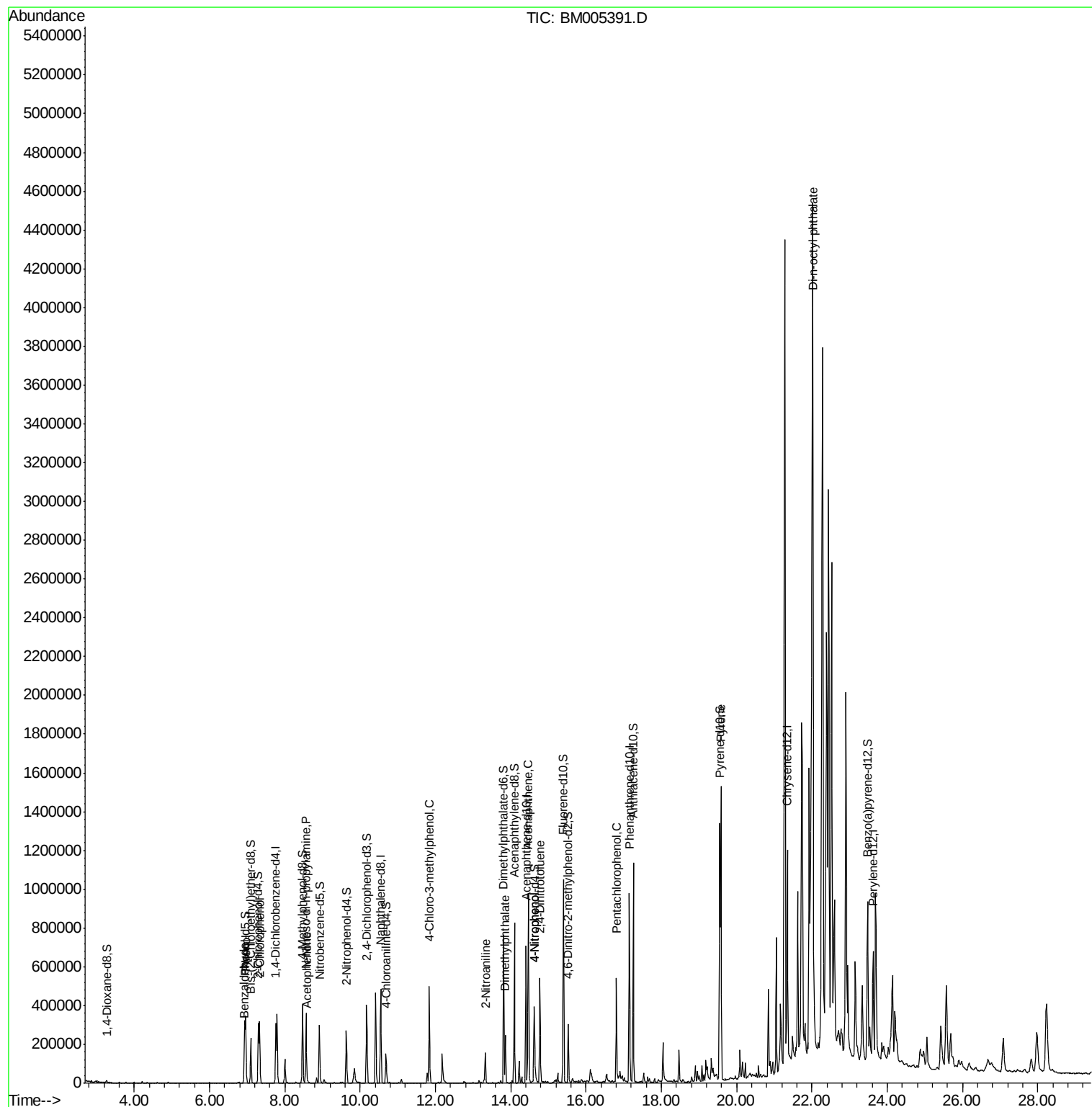
						Qvalue
4) Benzaldehyde	6.91	77	6196	1.72	ng/ul	95
6) Phenol	6.96	94	184385	23.98	ng/ul	100
10) 2-Chlorophenol	7.32	128	136092	23.68	ng/ul	97
14) Acetophenone	8.58	105	9831	1.08	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.56	70	136444	28.66	ng/ul	96
33) 4-Chloro-3-methylphenol	11.83	107	186622	25.49	ng/ul	99
42) 2-Nitroaniline	13.32	65	5108	1.12	ng/ul#	15
44) Dimethylphthalate	13.86	163	155176	7.86	ng/ul	100
49) Acenaphthene	14.46	153	398652	24.66	ng/ul	98
52) 4-Nitrophenol	14.63	109	60139	20.04	ng/ul	92
54) 2,4-Dinitrotoluene	14.77	165	150922	25.98	ng/ul	97
68) Pentachlorophenol	16.80	266	91461	27.07	ng/ul	98
77) Pyrene	19.58	202	877933	30.80	ng/ul	97
84) Di-n-octyl phthalate	22.02	149	56054	2.51	ng/ul#	1

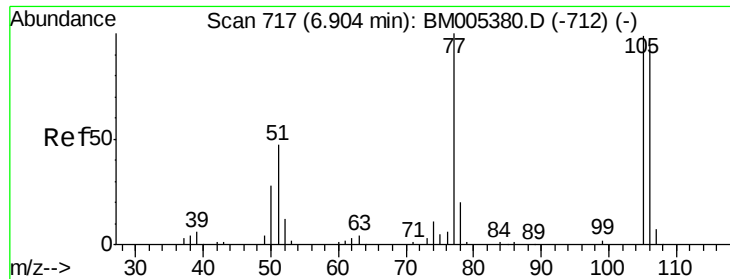
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.72 ng/ul

RT: 6.91 min Scan# 718

Delta R.T. 0.01 min

Lab File: BM005391.D

Acq: 11 May 2016 17:38

Instrument :

BNA_M

ClientSampleId :

H4061MSD

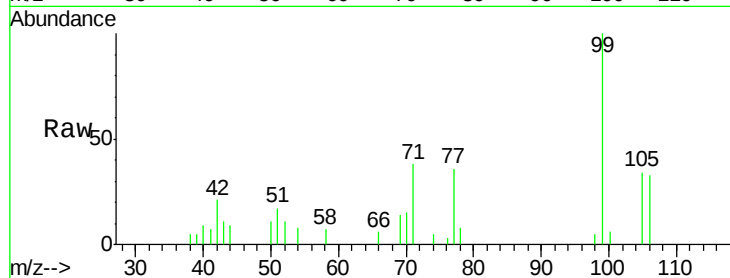
Tgt Ion: 77 Resp: 6196

Ion Ratio Lower Upper

77 100

105 94.8 77.6 116.4

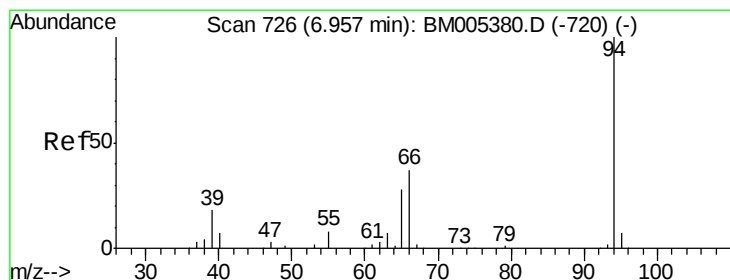
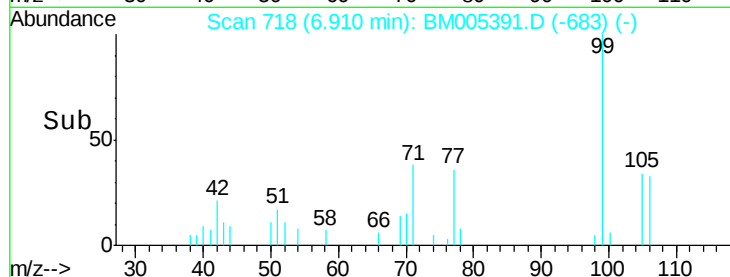
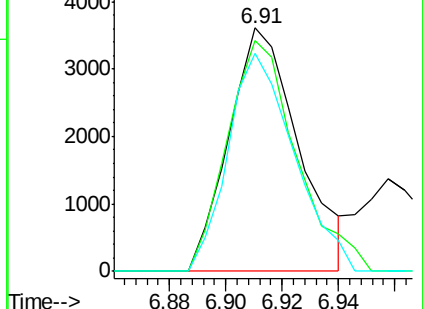
106 89.8 77.9 116.9



Abundance Ion 77.00 (76.70 to 77.70): BM005380.D (-712) (-)

Ion 105.00 (104.70 to 105.70): BM005380.D (-712) (-)

Ion 106.00 (105.70 to 106.70): BM005380.D (-712) (-)



#6

Phenol

Concen: 23.98 ng/ul

RT: 6.96 min Scan# 726

Delta R.T. 0.00 min

Lab File: BM005391.D

Acq: 11 May 2016 17:38

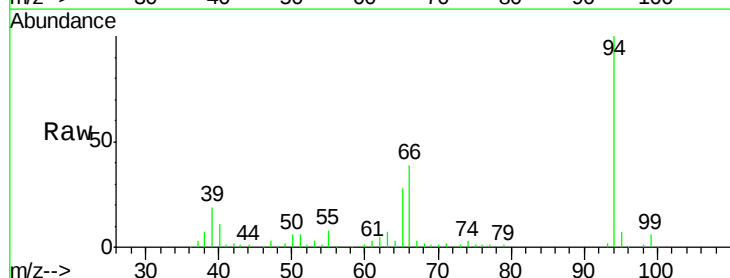
Tgt Ion: 94 Resp: 184385

Ion Ratio Lower Upper

94 100

65 28.1 22.7 34.1

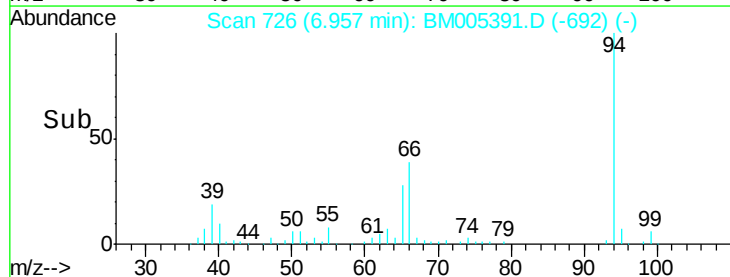
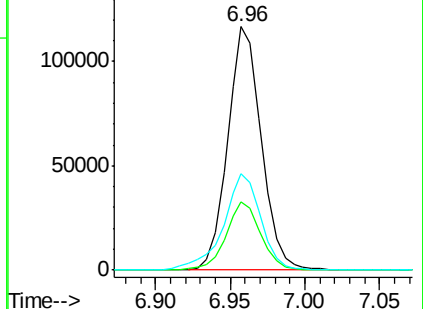
66 39.4 31.7 47.5

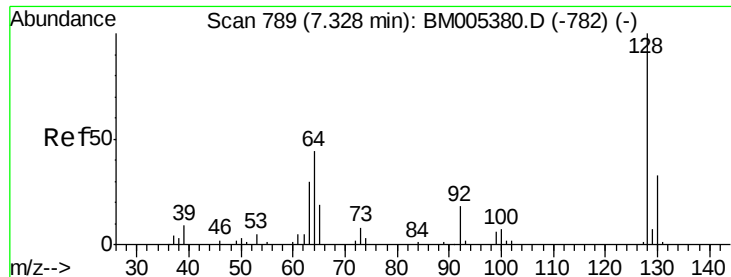


Abundance Ion 94.00 (93.70 to 94.70): BM005380.D (-720) (-)

Ion 65.00 (64.70 to 65.70): BM005380.D (-720) (-)

Ion 66.00 (65.70 to 66.70): BM005380.D (-720) (-)

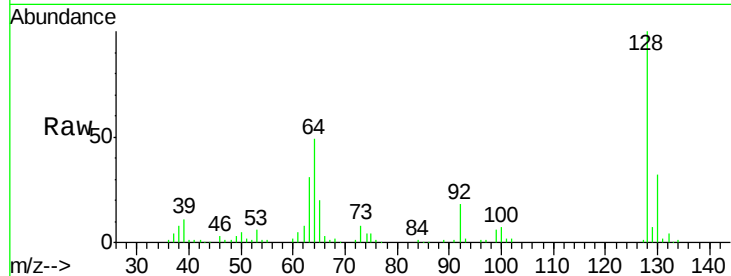




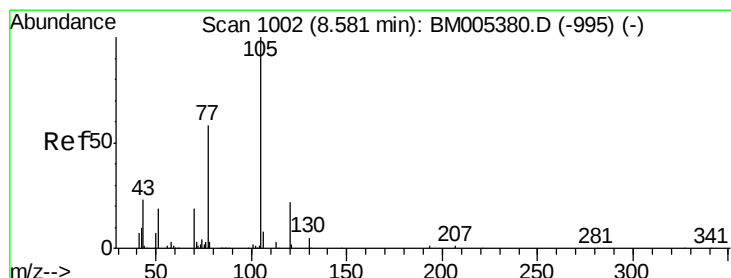
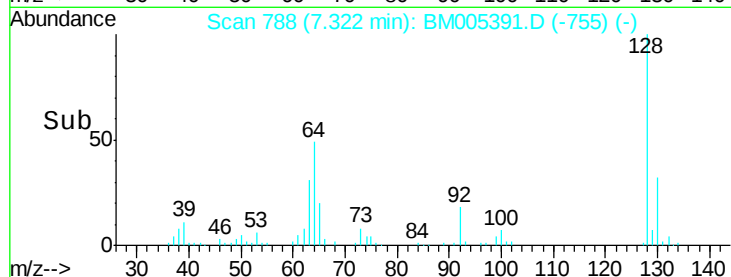
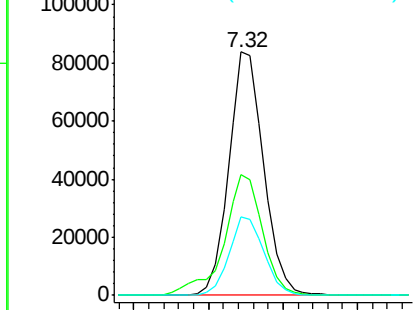
#10
2-Chlorophenol
Concen: 23.68 ng/ul
RT: 7.32 min Scan# 788
Delta R.T. -0.01 min
Lab File: BM005391.D
Acq: 11 May 2016 17:38

Instrument :
BNA_M
ClientSampleId :
H4061MSD

Tgt Ion:128 Resp: 136092
Ion Ratio Lower Upper
128 100
64 49.4 37.8 56.8
130 32.1 24.9 37.3

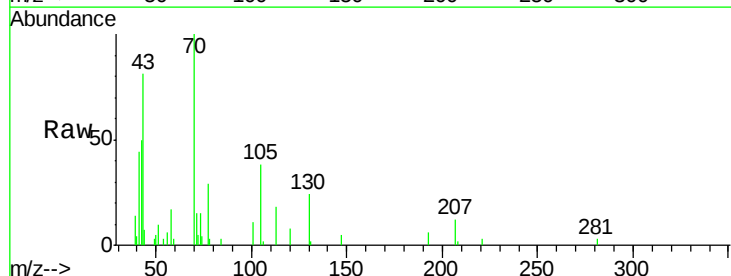


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 130.00 (129.70 to 130.70): E

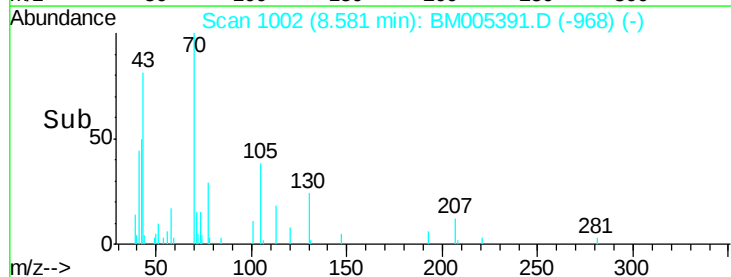
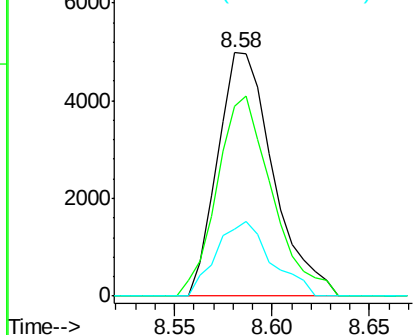


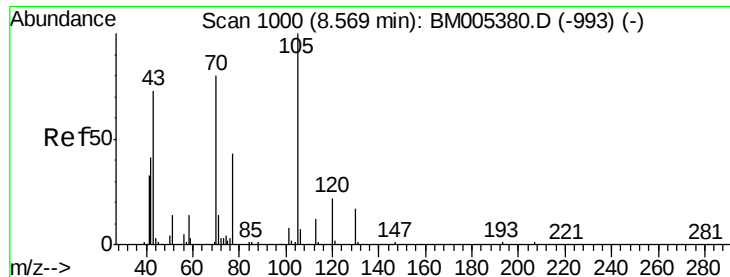
#14
Acetophenone
Concen: 1.08 ng/ul
RT: 8.58 min Scan# 1002
Delta R.T. 0.00 min
Lab File: BM005391.D
Acq: 11 May 2016 17:38

Tgt Ion:105 Resp: 9831
Ion Ratio Lower Upper
105 100
77 77.9 61.2 91.8
51 27.5 21.2 31.8



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BM0
Ion 51.00 (50.70 to 51.70): BM0





#15

N-Nitroso-di-n-propylamine

Concen: 28.66 ng/ul

RT: 8.56 min Scan# 999

Delta R.T. -0.01 min

Lab File: BM005391.D

Acq: 11 May 2016 17:38

Instrument :

BNA_M

ClientSampleId :

H4061MSD

Tgt Ion: 70 Resp: 136444

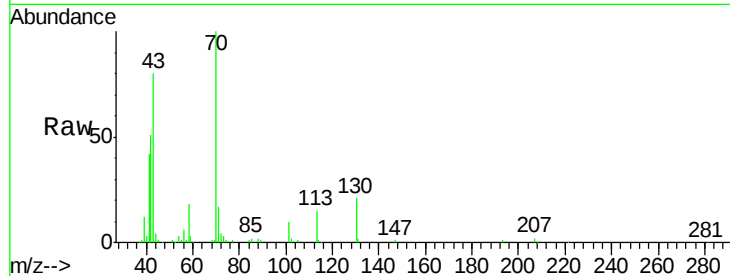
Ion Ratio Lower Upper

70 100

42 50.6 42.8 64.2

101 10.3 7.8 11.6

130 21.2 15.7 23.5

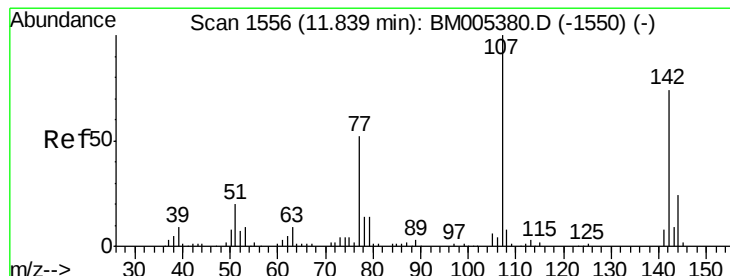
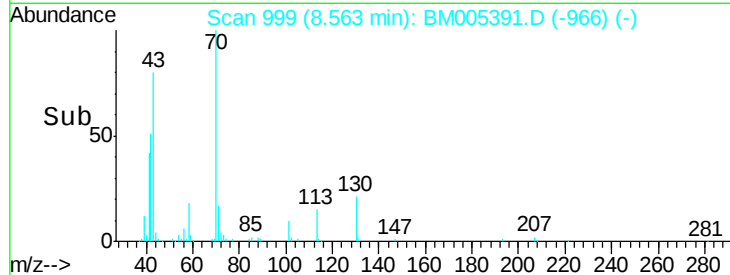
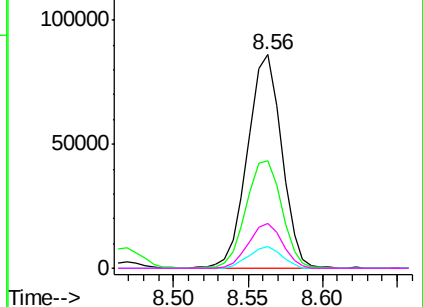


Abundance Ion 70.00 (69.70 to 70.70): BM005391.D (-966) (-)

Ion 42.00 (41.70 to 42.70): BM005391.D (-966) (-)

Ion 101.00 (100.70 to 101.70): BM005391.D (-966) (-)

Ion 130.00 (129.70 to 130.70): BM005391.D (-966) (-)



#33

4-Chloro-3-methylphenol

Concen: 25.49 ng/ul

RT: 11.83 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BM005391.D

Acq: 11 May 2016 17:38

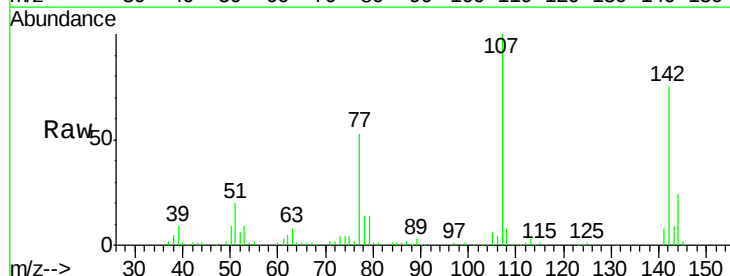
Tgt Ion: 107 Resp: 186622

Ion Ratio Lower Upper

107 100

144 24.3 19.3 28.9

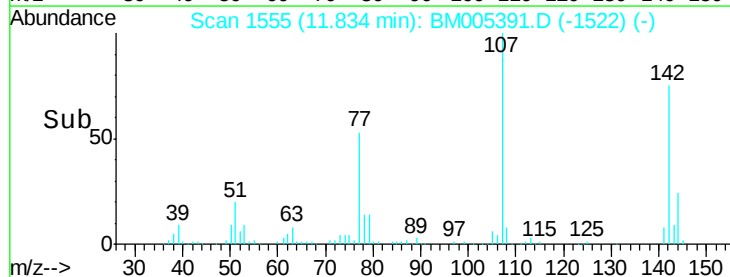
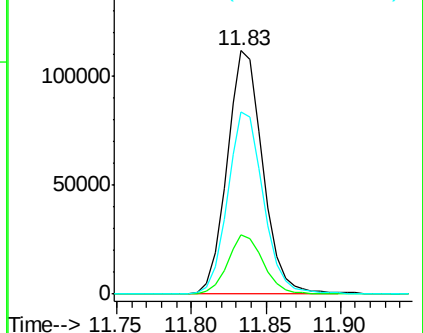
142 74.6 60.8 91.2

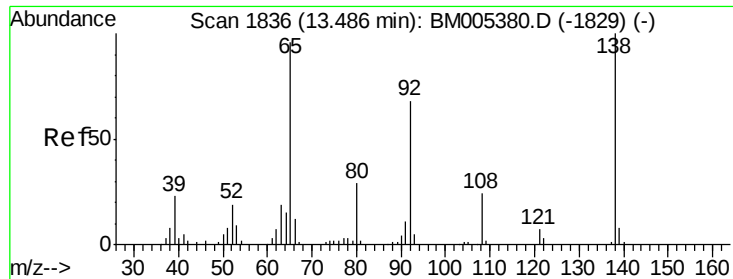


Abundance Ion 107.00 (106.70 to 107.70): BM005391.D (-1522) (-)

Ion 144.00 (143.70 to 144.70): BM005391.D (-1522) (-)

Ion 142.00 (141.70 to 142.70): BM005391.D (-1522) (-)

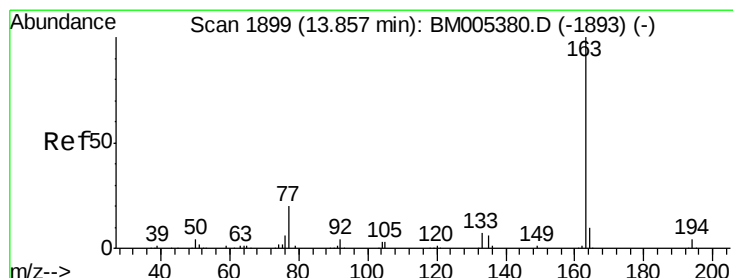
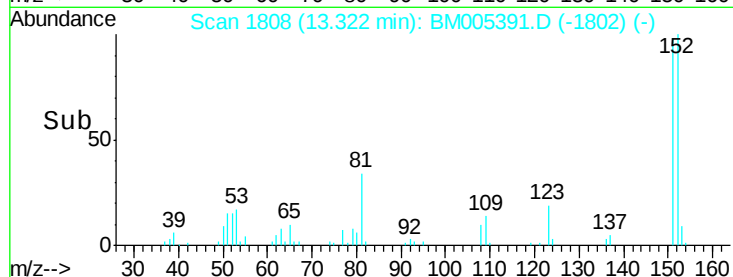
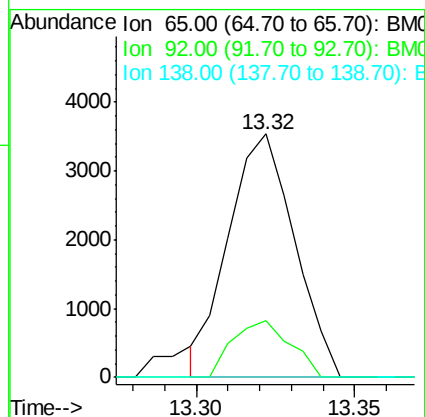
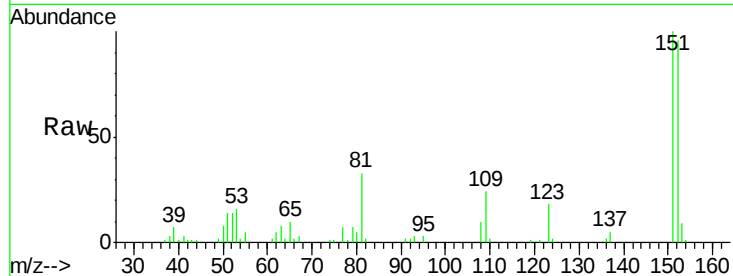




#42
2-Nitroaniline
Concen: 1.12 ng/ul
RT: 13.32 min Scan# 1808
Delta R.T. -0.16 min
Lab File: BM005391.D
Acq: 11 May 2016 17:38

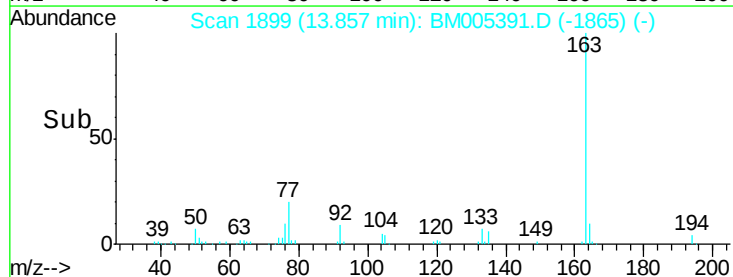
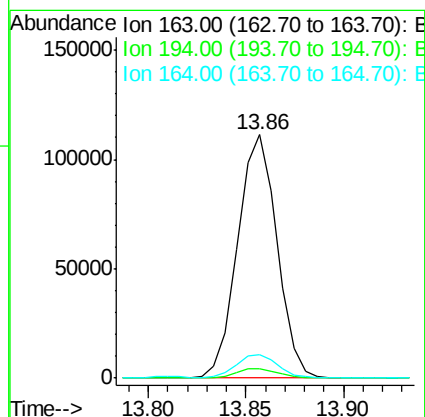
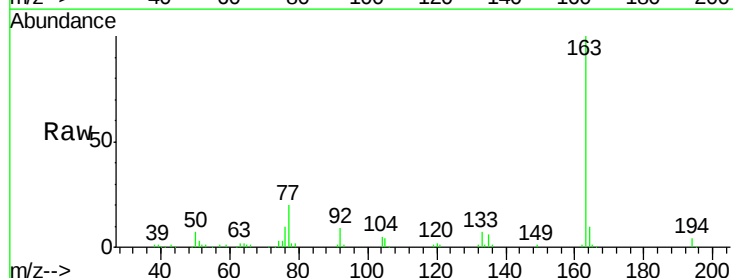
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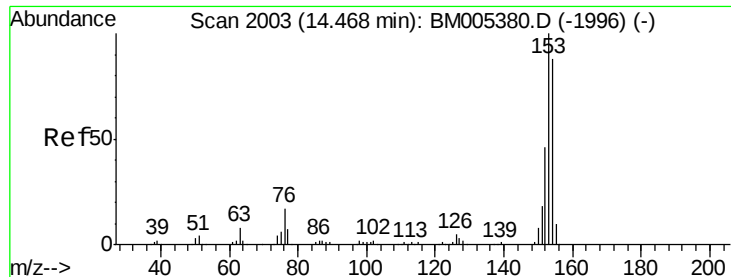
Tgt Ion: 65 Resp: 5108
Ion Ratio Lower Upper
65 100
92 23.3 60.1 90.1#
138 0.0 84.0 126.0#



#44
Dimethylphthalate
Concen: 7.86 ng/ul
RT: 13.86 min Scan# 1899
Delta R.T. 0.00 min
Lab File: BM005391.D
Acq: 11 May 2016 17:38

Tgt Ion:163 Resp: 155176
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 9.7 7.9 11.9





#49

Acenaphthene

Concen: 24.66 ng/ul

RT: 14.46 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BM005391.D

Acq: 11 May 2016 17:38

Instrument :

BNA_M

ClientSampleId :

H4061MSD

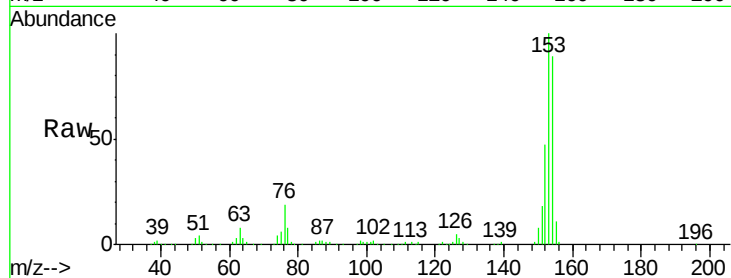
Tgt Ion:153 Resp: 398652

Ion Ratio Lower Upper

153 100

152 47.0 38.9 58.3

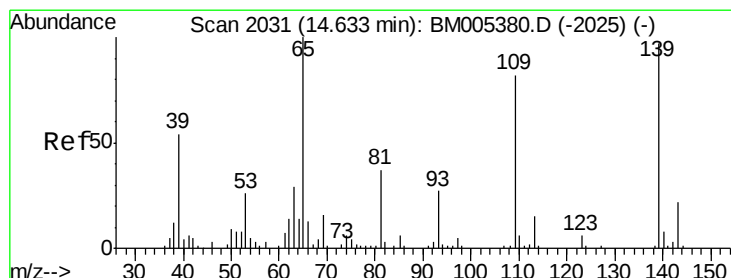
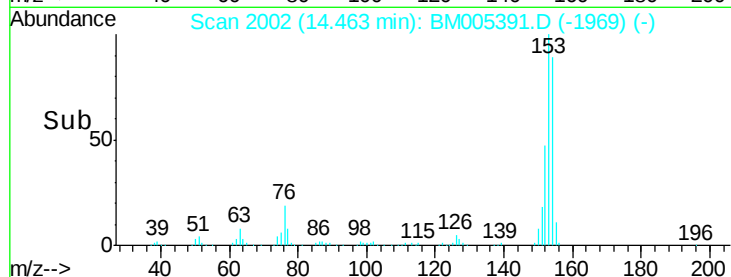
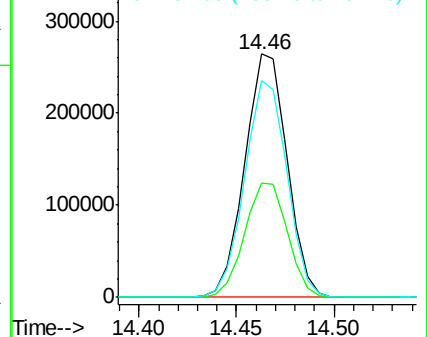
154 89.1 70.3 105.5



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



#52

4-Nitrophenol

Concen: 20.04 ng/ul

RT: 14.63 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BM005391.D

Acq: 11 May 2016 17:38

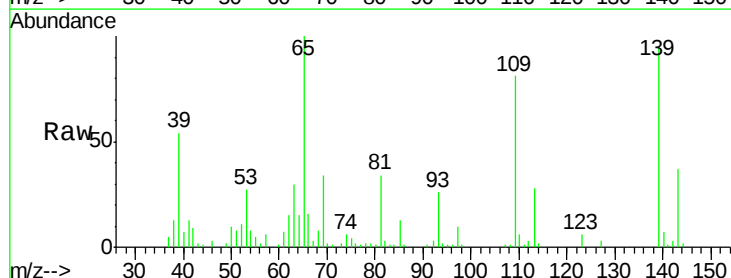
Tgt Ion:109 Resp: 60139

Ion Ratio Lower Upper

109 100

139 117.3 103.6 155.4

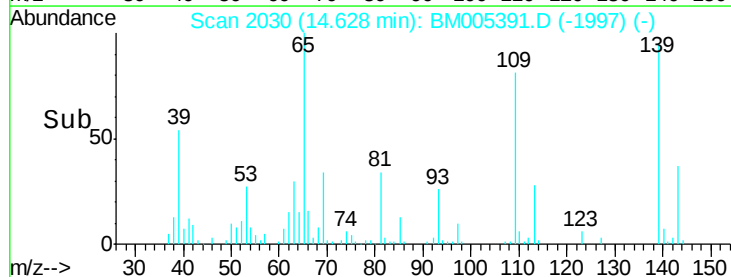
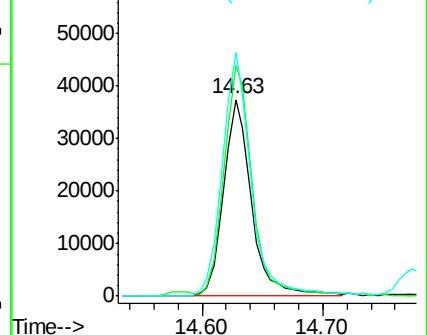
65 123.9 104.7 157.1

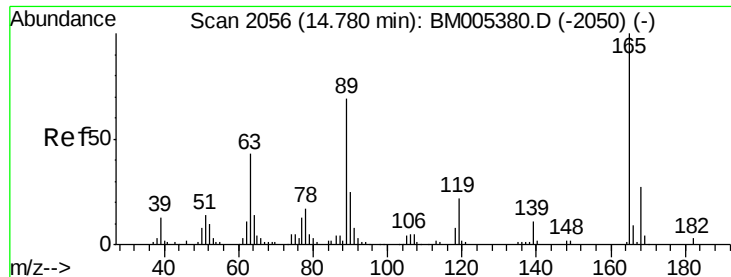


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM

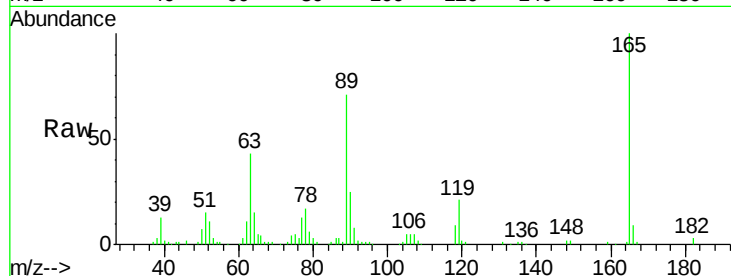




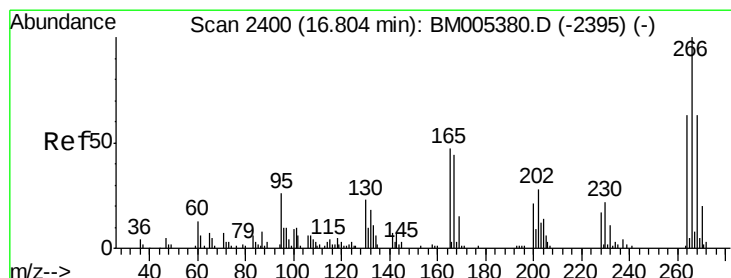
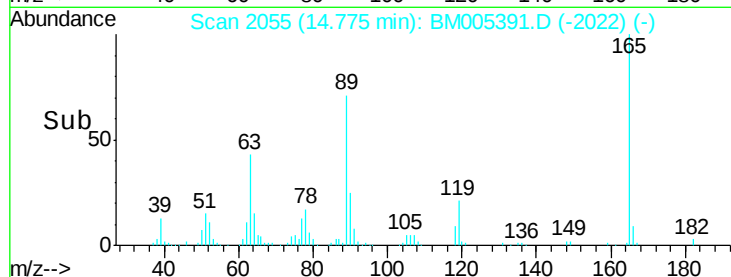
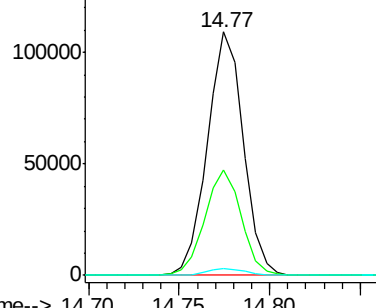
#54
 2,4-Dinitrotoluene
 Concen: 25.98 ng/ul
 RT: 14.77 min Scan# 2055
 Delta R.T. -0.01 min
 Lab File: BM005391.D
 Acq: 11 May 2016 17:38

Instrument :
 BNA_M
 ClientSampled :
 H4061MSD

Tgt Ion	Ratio	Lower	Upper
165	100		
63	43.3	36.2	54.4
182	2.9	2.5	3.7

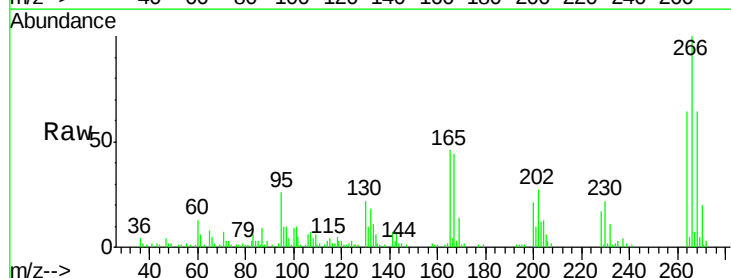


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BM
 Ion 182.00 (181.70 to 182.70): E

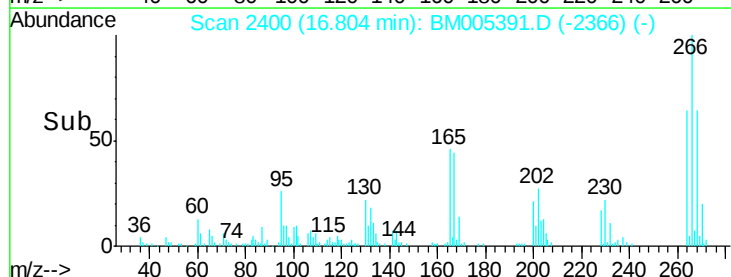
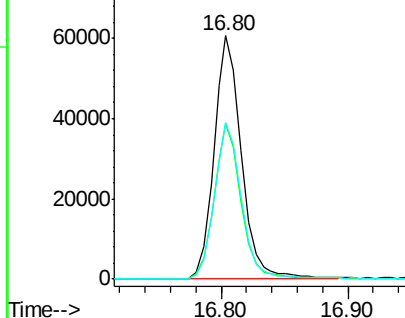


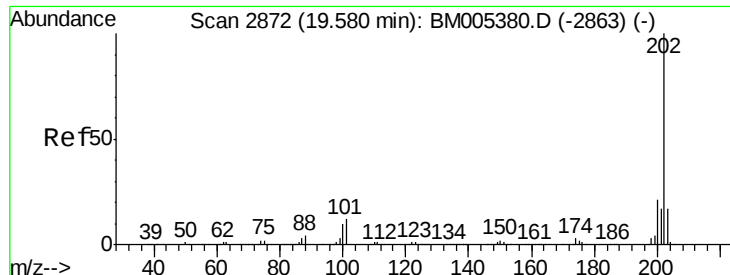
#68
 Pentachlorophenol
 Concen: 27.07 ng/ul
 RT: 16.80 min Scan# 2400
 Delta R.T. 0.00 min
 Lab File: BM005391.D
 Acq: 11 May 2016 17:38

Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.9	52.0	78.0
268	64.2	53.0	79.6



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

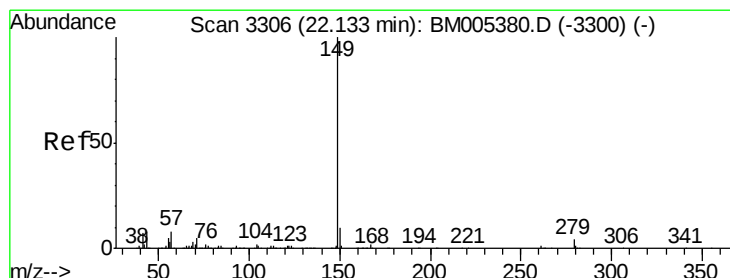
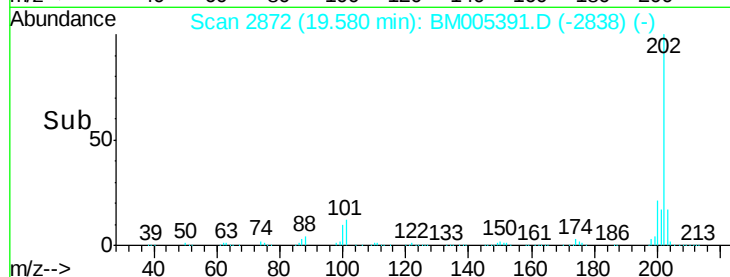
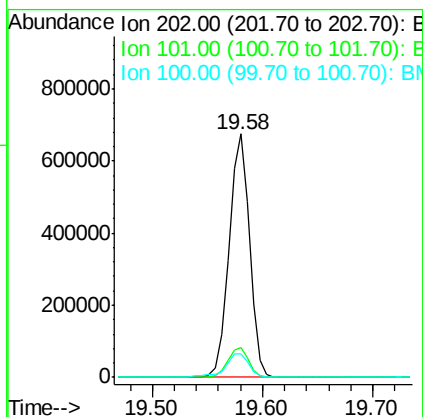
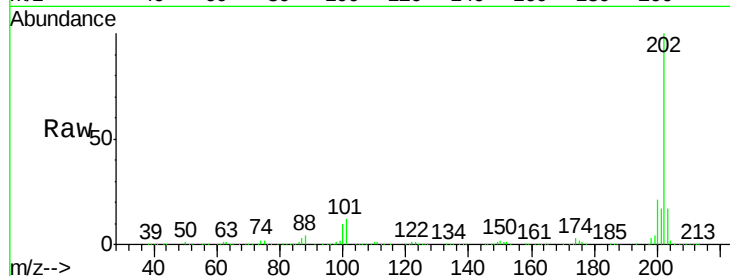




#77
 Pyrene
 Concen: 30.80 ng/ul
 RT: 19.58 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: BM005391.D
 Acq: 11 May 2016 17:38

Instrument :
 BNA_M
 ClientSampleId :
 H4061MSD

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	10.8	16.2
100	9.7	8.4	12.6



#84
 Di-n-octyl phthalate
 Concen: 2.51 ng/ul
 RT: 22.02 min Scan# 3287
 Delta R.T. -0.11 min
 Lab File: BM005391.D
 Acq: 11 May 2016 17:38

Tgt Ion	Ratio	Lower	Upper
149	100		
167	78.6	1.3	1.9#
43	1002.3	7.4	11.0#

