

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM032719\
 Data File : BM019509.D
 Acq On : 27 Mar 2019 17:41
 Operator : JU/SJ
 Sample : K2063-06
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DB6R7MS

Quant Time: Mar 28 05:13:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 28 05:07:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	105705	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	452931	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.25	164	274802	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.01	188	608216	20.00	ng/ul	0.00
78) Chrysene-d12	21.22	240	719547	20.00	ng/ul	0.00
86) Perylene-d12	23.43	264	871236	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	11061	4.10	ng/uL	-0.02
5) Phenol-d5	6.80	99	112165	11.92	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.95	67	205086	32.54	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	216983	30.41	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	149234	21.12	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	221	0.07	ng/ul	0.06
22) 2-Nitrophenol-d4	9.47	143	150074	41.73	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.01	165	258508	38.10	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	4561	0.56	ng/ul	0.03
44) Dimethylphthalate-d6	13.67	166	804532	36.28	ng/ul	0.00
47) Acenaphthylene-d8	13.94	160	1003846	36.21	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.51	143	33693	9.69	ng/ul	0.01
58) Fluorene-d10	15.25	176	686419	35.93	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	150462	37.41	ng/ul	0.00
71) Anthracene-d10	17.11	188	1093811	37.48	ng/ul	0.00
79) Pyrene-d10	19.42	212	1224296	36.84	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.29	264	1568577	33.96	ng/ul	0.00

Target Compounds

					Qvalue	
4) Benzaldehyde	6.74	77	890520	132.072	ng/ul#	1
6) Phenol	6.82	94	125502	12.777	ng/ul#	1
10) 2-Chlorophenol	7.17	128	212198	29.259	ng/ul	99
11) 2-Methylphenol	8.06	108	45902	6.701	ng/ul	89
14) Acetophenone	8.52	105	205665	17.873	ng/ul	95
15) N-Nitroso-di-n-propylamine	8.40	70	226792	35.170	ng/ul	91
16) 4-Methylphenol	8.38	108	44657	5.944	ng/ul	96
17) Hexachloroethane	8.67	117	675597	221.652	ng/ul#	1
24) 2,4-Dimethylphenol	9.59	107	91456	10.610	ng/ul#	71
25) Bis(2-Chloroethoxy)methane	9.82	93	86992	8.737	ng/ul#	68
28) Naphthalene	10.44	128	16173939	689.316	ng/ul#	95
33) 4-Chloro-3-methylphenol	11.69	107	307046	42.485	ng/ul	92
34) 2-Methylnaphthalene	12.05	142	3260442	198.310	ng/ul	100
35) 1-Methylnaphthalene	12.27	142	1564931	100.808	ng/ul	96
41) 1,1'-Biphenyl	13.07	154	50770	2.169	ng/ul#	94
43) 2-Nitroaniline	13.39	65	21753	4.419	ng/ul#	23
50) Acenaphthene	14.32	153	646597	33.410	ng/ul	99
53) 4-Nitrophenol	14.52	109	24286	8.928	ng/ul#	74
55) 2,4-Dinitrotoluene	14.65	165	240820	39.819	ng/ul	99
57) Diethylphthalate	15.09	149	27563	1.260	ng/ul	98
69) Pentachlorophenol	16.66	266	183375	43.865	ng/ul	98
80) Pyrene	19.44	202	1541322	35.606	ng/ul#	85

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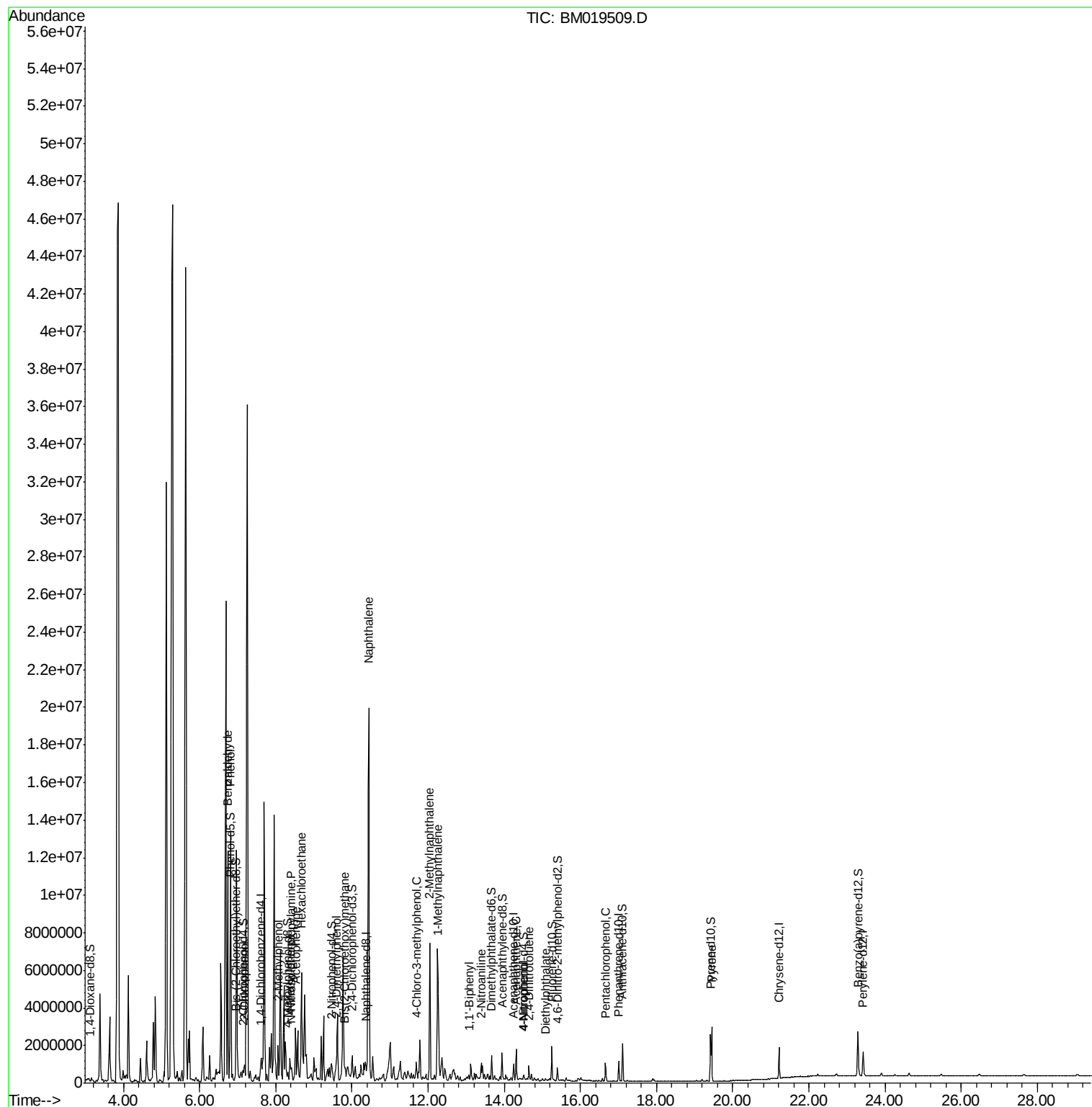
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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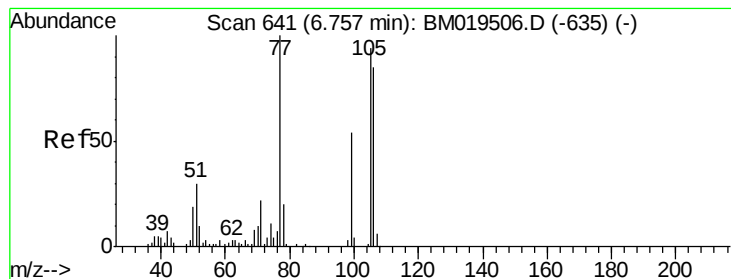
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 132.072 ng/ul

RT: 6.74 min Scan# 638

Delta R.T. -0.03 min

Lab File: BM019509.D

Acq: 27 Mar 2019 17:41

Instrument :

BNA_M

ClientSampled :

DB6R7MS

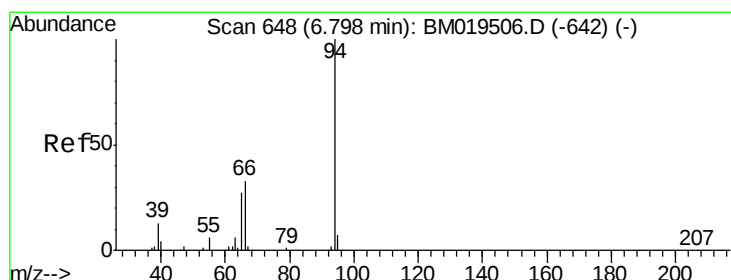
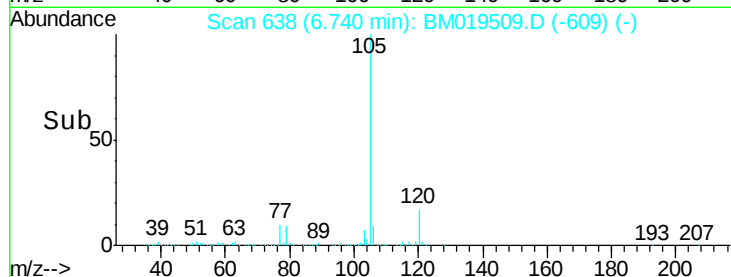
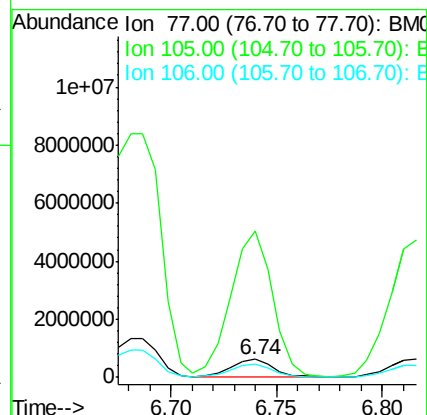
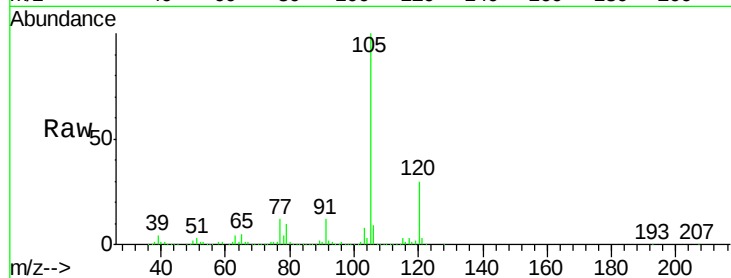
Tgt Ion: 77 Resp: 890520

Ion Ratio Lower Upper

77 100

105 805.0 71.0 106.6#

106 72.7 69.5 104.3



#6

Phenol

Concen: 12.777 ng/ul

RT: 6.82 min Scan# 652

Delta R.T. 0.02 min

Lab File: BM019509.D

Acq: 27 Mar 2019 17:41

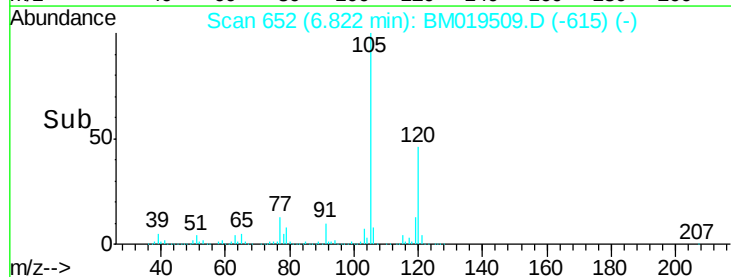
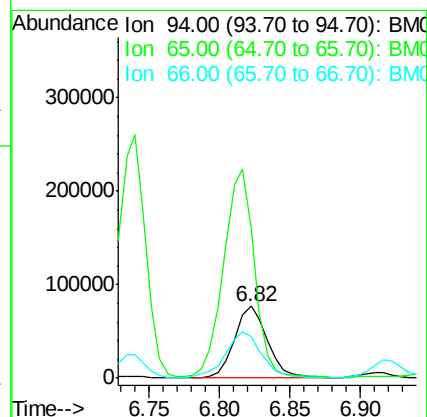
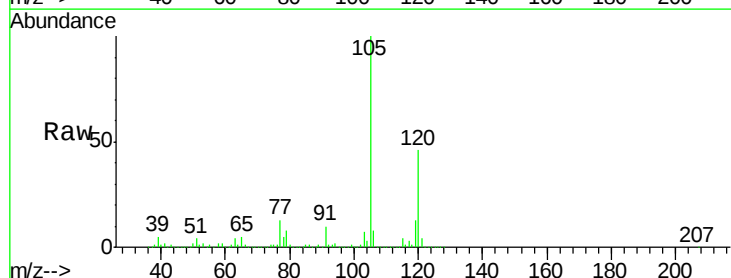
Tgt Ion: 94 Resp: 125502

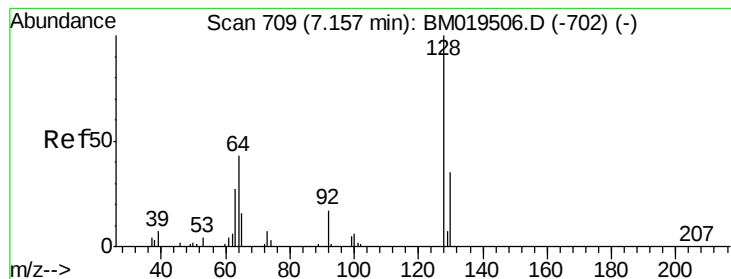
Ion Ratio Lower Upper

94 100

65 208.3 23.0 34.6#

66 57.5 30.4 45.6#





#10

2-Chlorophenol

Concen: 29.259 ng/ul

RT: 7.17 min Scan# 711

Delta R.T. 0.01 min

Lab File: BM019509.D

Acq: 27 Mar 2019 17:41

Instrument :

BNA_M

ClientSampleId :

DB6R7MS

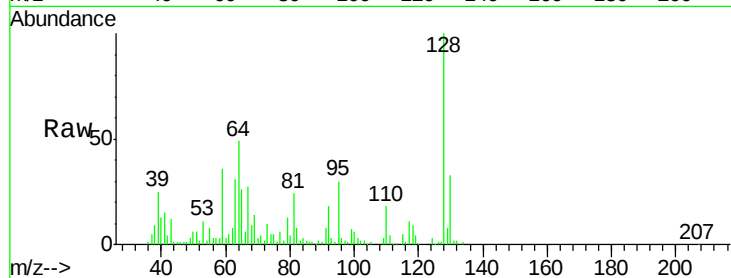
Tgt Ion:128 Resp: 212198

Ion Ratio Lower Upper

128 100

64 48.8 39.8 59.6

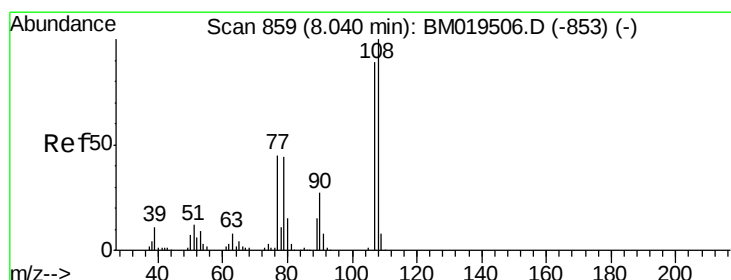
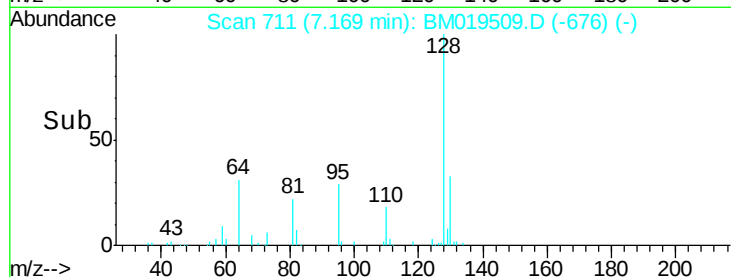
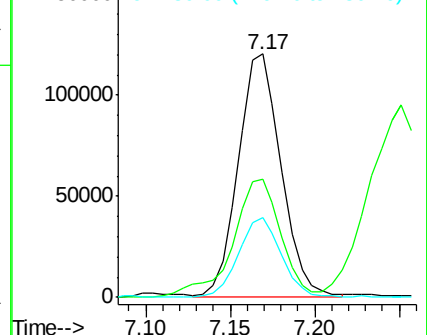
130 33.0 25.8 38.8



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



#11

2-Methylphenol

Concen: 6.701 ng/ul

RT: 8.06 min Scan# 862

Delta R.T. 0.01 min

Lab File: BM019509.D

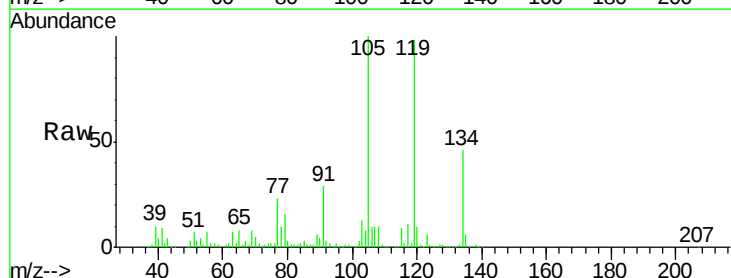
Acq: 27 Mar 2019 17:41

Tgt Ion:108 Resp: 45902

Ion Ratio Lower Upper

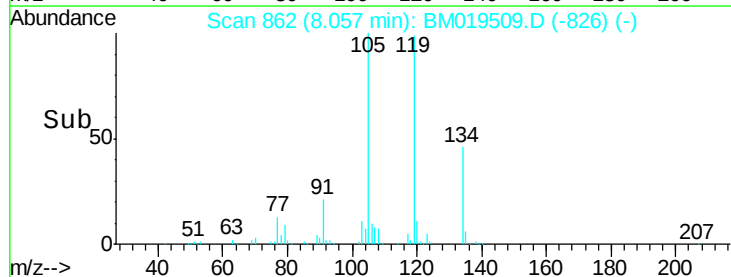
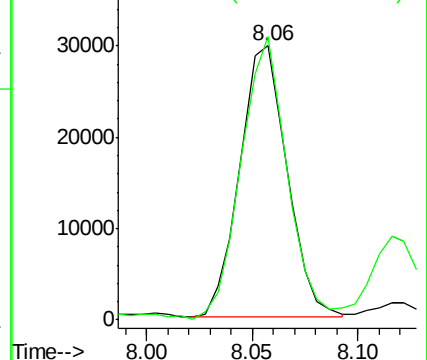
108 100

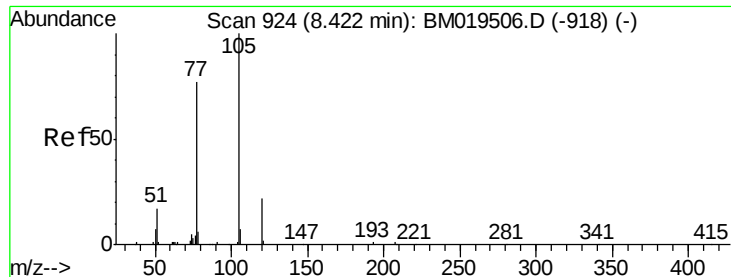
107 103.3 74.1 111.1



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E





#14

Acetophenone

Concen: 17.873 ng/ul

RT: 8.52 min Scan# 941

Delta R.T. 0.09 min

Lab File: BM019509.D

Acq: 27 Mar 2019 17:41

Instrument :

BNA_M

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DB6R7MS

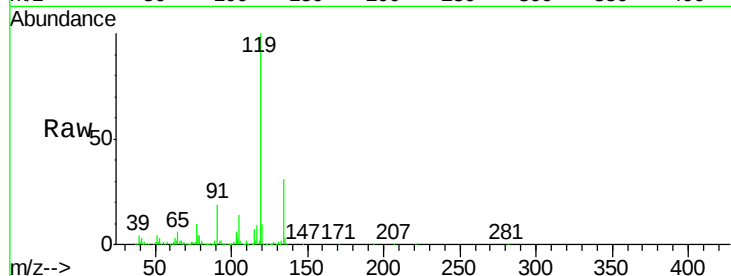
Tgt Ion: 105 Resp: 205665

Ion Ratio Lower Upper

105 100

77 75.1 63.2 94.8

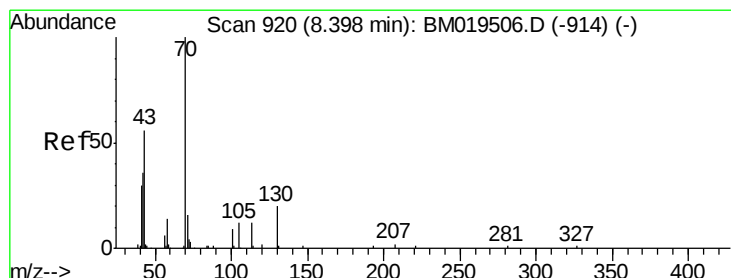
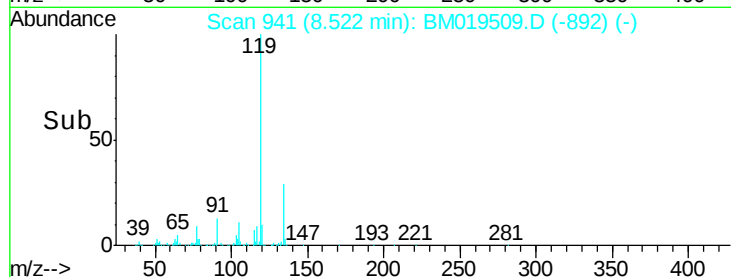
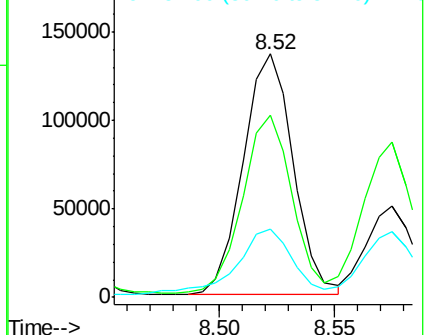
51 28.1 19.8 29.8



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: 35.170 ng/ul

RT: 8.40 min Scan# 920

Delta R.T. -0.01 min

Lab File: BM019509.D

Acq: 27 Mar 2019 17:41

Tgt Ion: 70 Resp: 226792

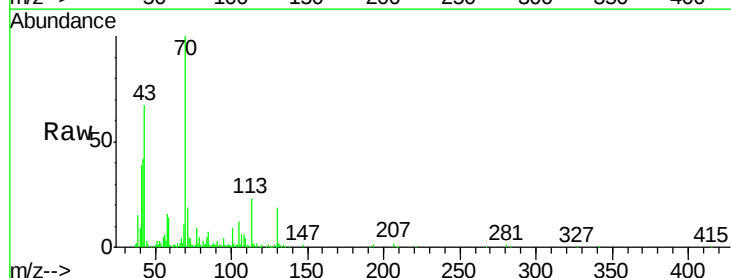
Ion Ratio Lower Upper

70 100

42 42.1 40.2 60.4

101 9.4 7.7 11.5

130 18.5 17.8 26.6

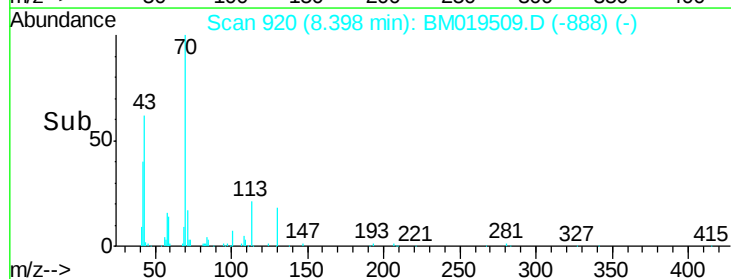
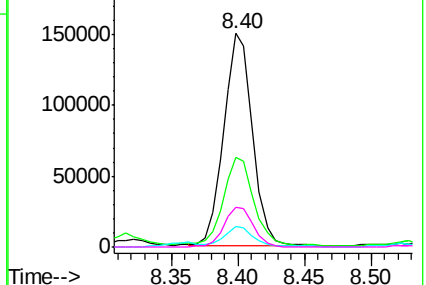


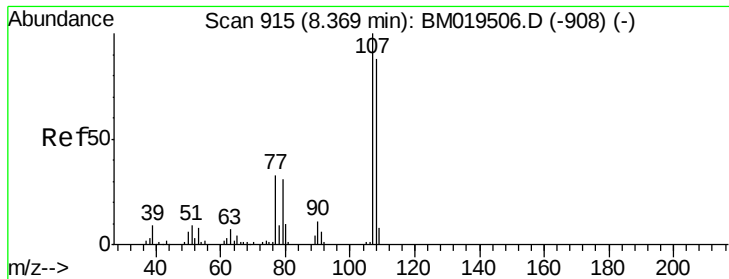
Abundance Ion 70.00 (69.70 to 70.70): BM0

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

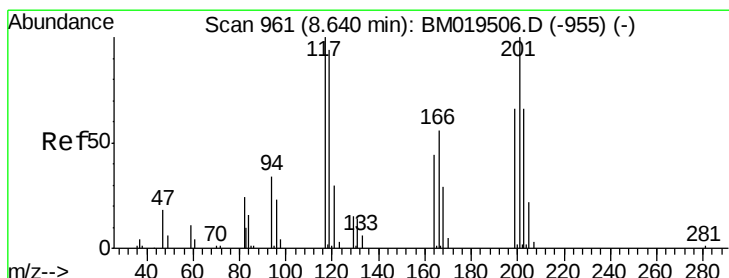
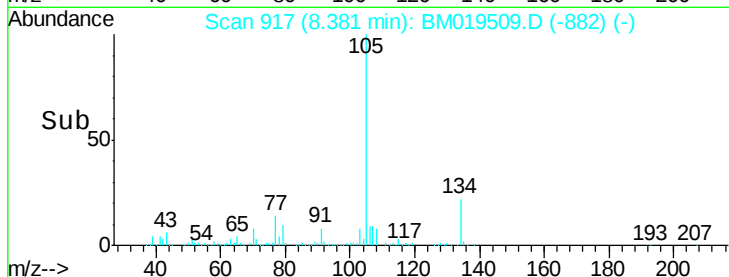
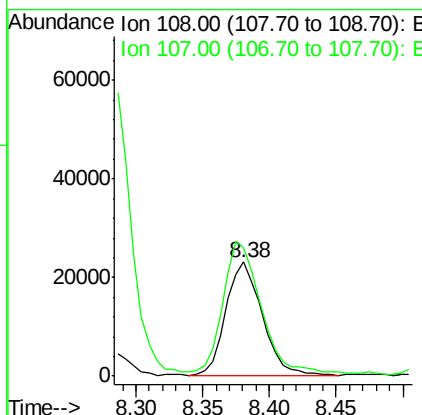
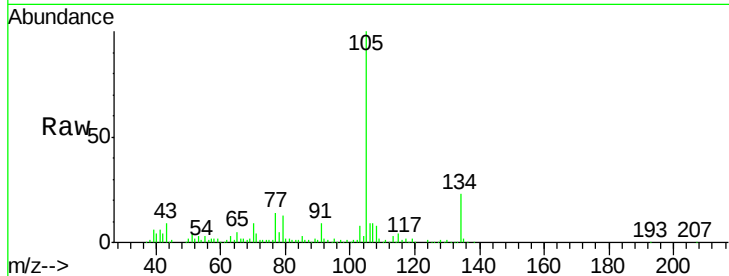




#16
4-Methylphenol
Concen: 5.944 ng/ul
RT: 8.38 min Scan# 917
Delta R.T. 0.01 min
Lab File: BM019509.D
Acq: 27 Mar 2019 17:41

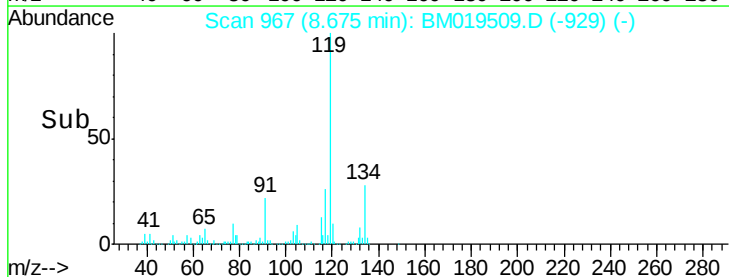
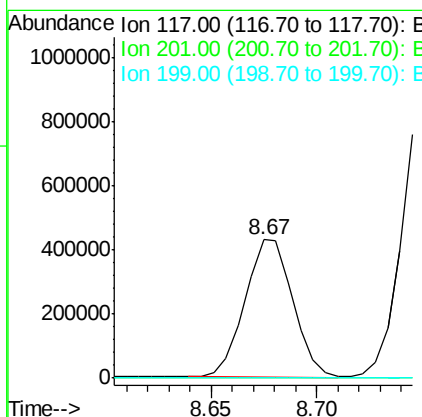
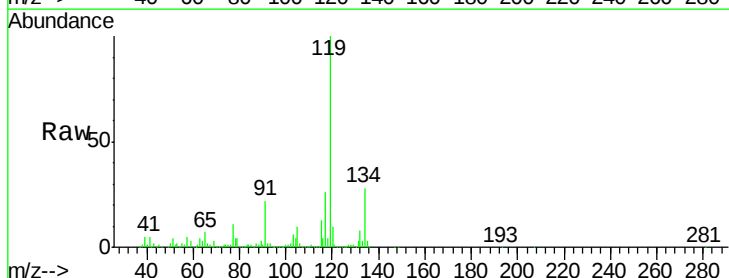
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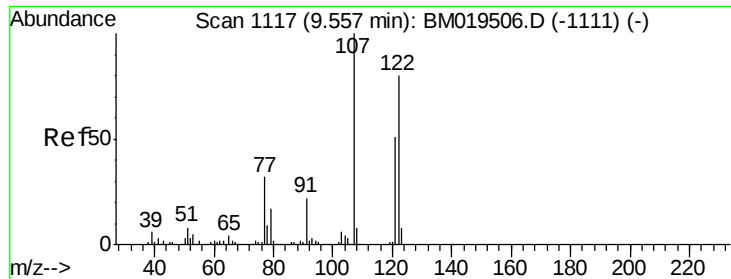
Tgt Ion:108 Resp: 44657
Ion Ratio Lower Upper
108 100
107 112.8 93.6 140.4



#17
Hexachloroethane
Concen: 221.652 ng/ul
RT: 8.67 min Scan# 967
Delta R.T. 0.02 min
Lab File: BM019509.D
Acq: 27 Mar 2019 17:41

Tgt Ion:117 Resp: 675597
Ion Ratio Lower Upper
117 100
201 0.0 96.1 144.1#
199 0.0 59.7 89.5#

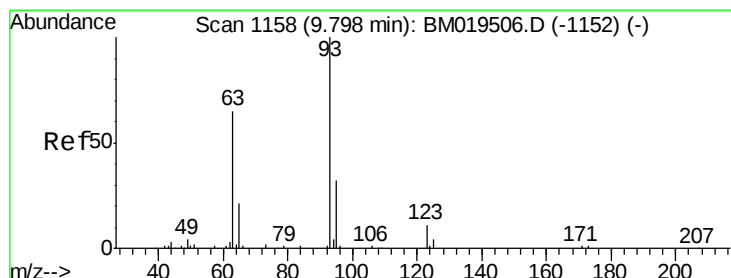
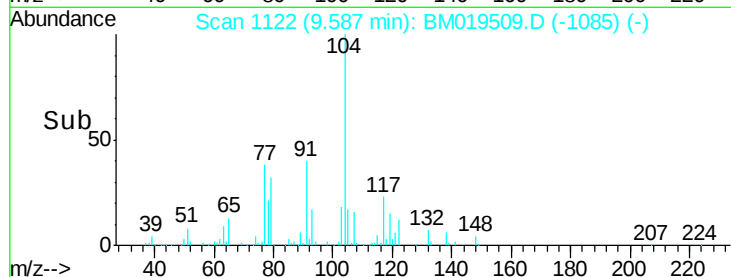
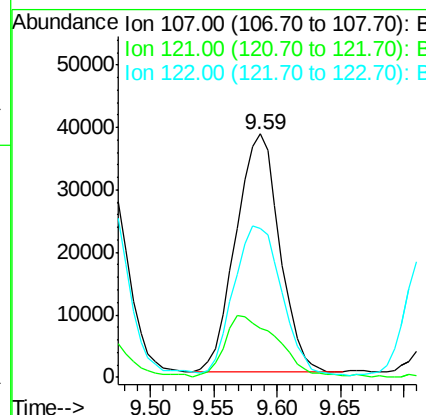
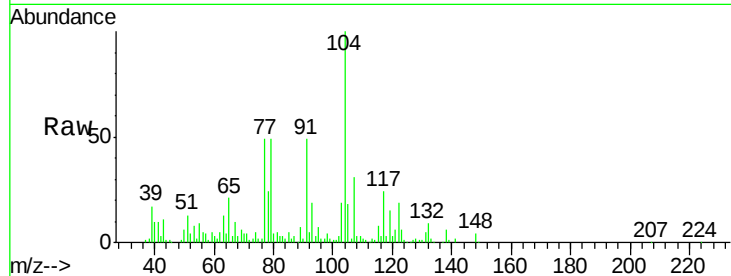




#24
 2,4-Dimethylphenol
 Concen: 10.610 ng/ul
 RT: 9.59 min Scan# 1122
 Delta R.T. 0.02 min
 Lab File: BM019509.D
 Acq: 27 Mar 2019 17:41

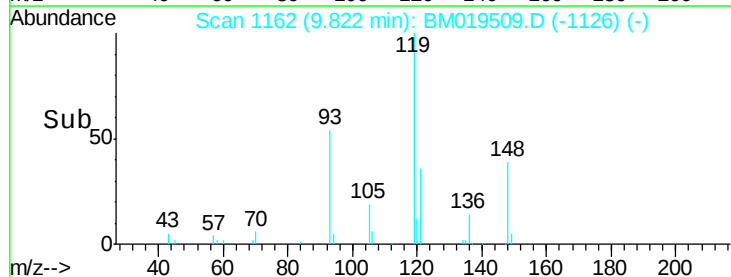
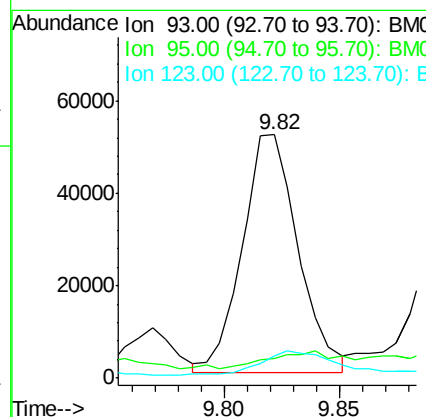
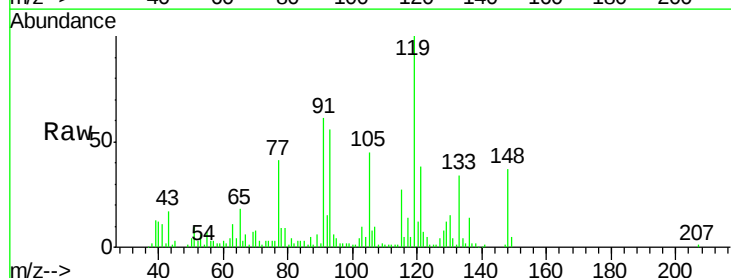
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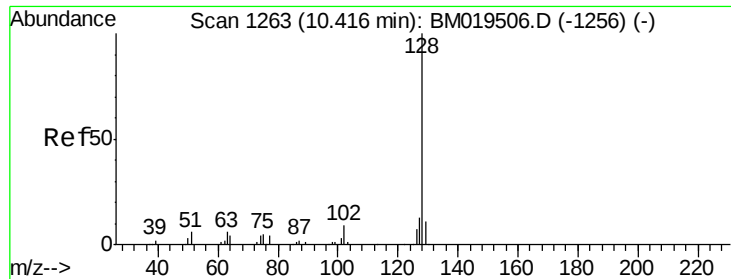
Tgt Ion: 107 Resp: 91456
 Ion Ratio Lower Upper
 107 100
 121 20.3 38.1 57.1#
 122 61.0 63.8 95.8#



#25
 Bis(2-Chloroethoxy)methane
 Concen: 8.737 ng/ul
 RT: 9.82 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: BM019509.D
 Acq: 27 Mar 2019 17:41

Tgt Ion: 93 Resp: 86992
 Ion Ratio Lower Upper
 93 100
 95 7.8 24.7 37.1#
 123 9.1 8.2 12.2

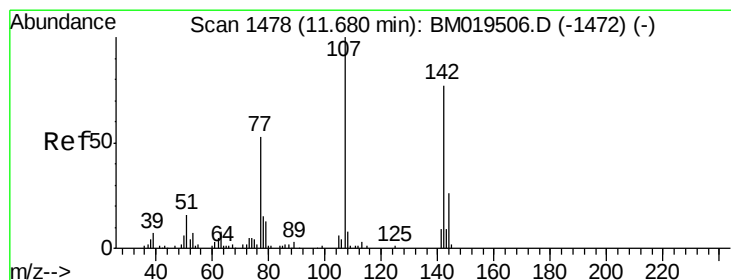
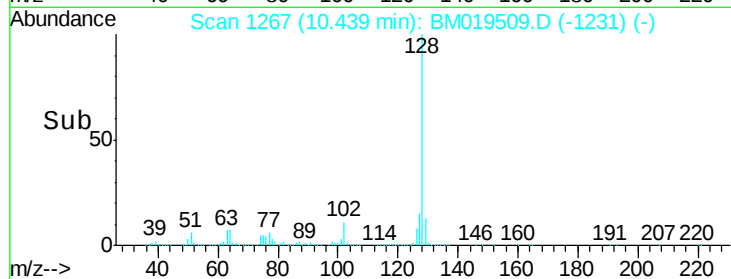
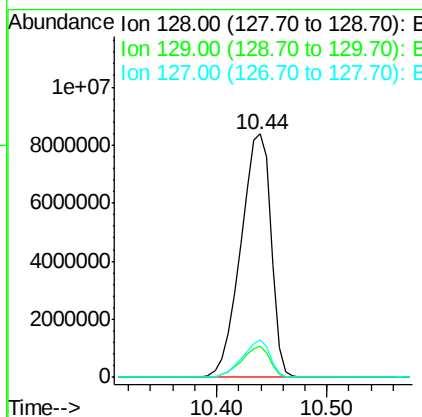
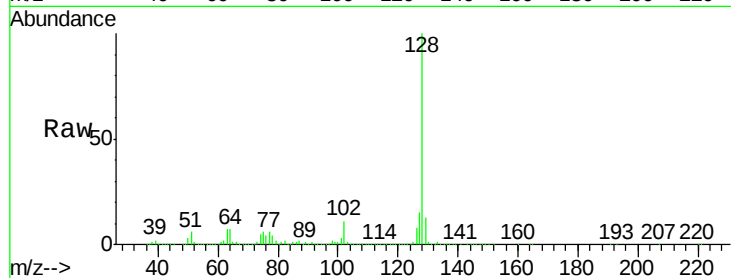




#28
Naphthalene
Concen: 689.316 ng/ul
RT: 10.44 min Scan# 1267
Delta R.T. 0.01 min
Lab File: BM019509.D
Acq: 27 Mar 2019 17:41

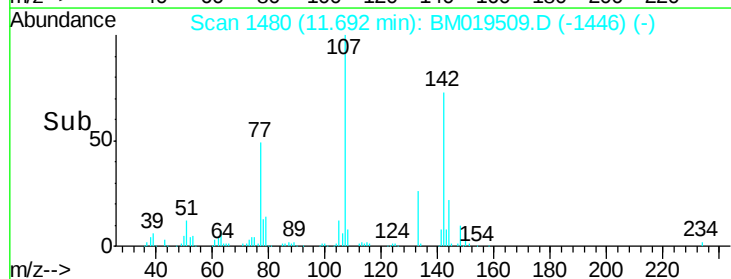
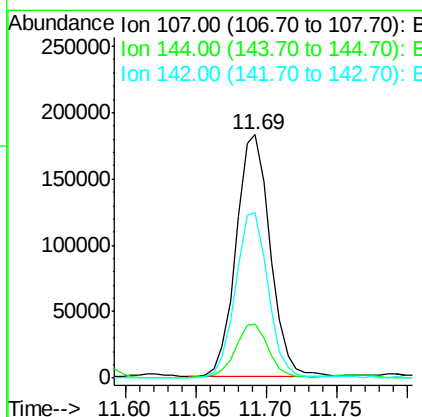
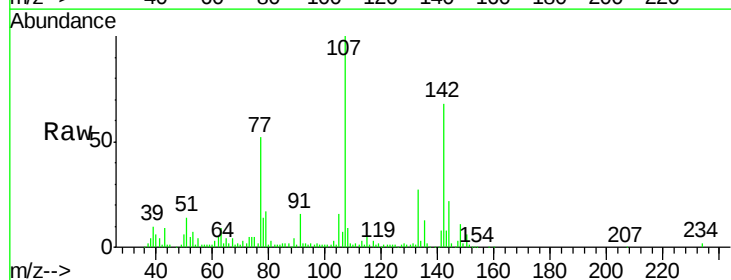
Instrument :
BNA_M
ClientSampleId :
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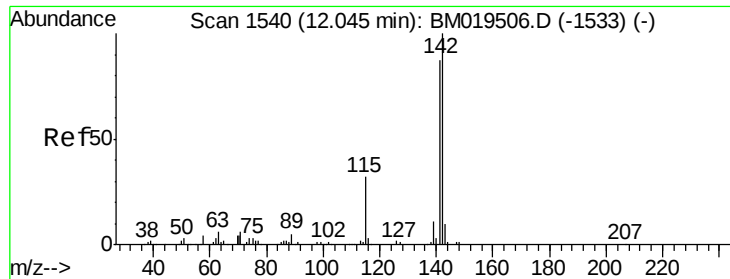
Tgt Ion:128 Resp:16173939
Ion Ratio Lower Upper
128 100
129 12.7 8.3 12.5#
127 15.4 10.8 16.2



#33
4-Chloro-3-methylphenol
Concen: 42.485 ng/ul
RT: 11.69 min Scan# 1480
Delta R.T. 0.00 min
Lab File: BM019509.D
Acq: 27 Mar 2019 17:41

Tgt Ion:107 Resp: 307046
Ion Ratio Lower Upper
107 100
144 22.2 21.1 31.7
142 67.8 60.1 90.1

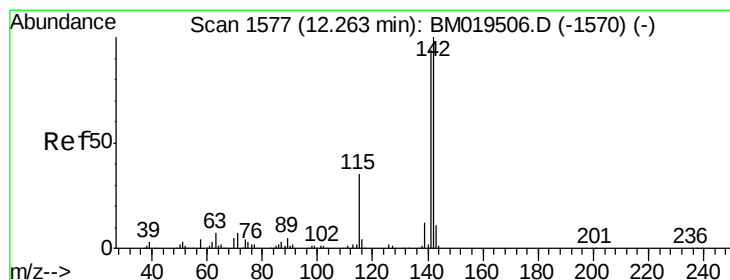
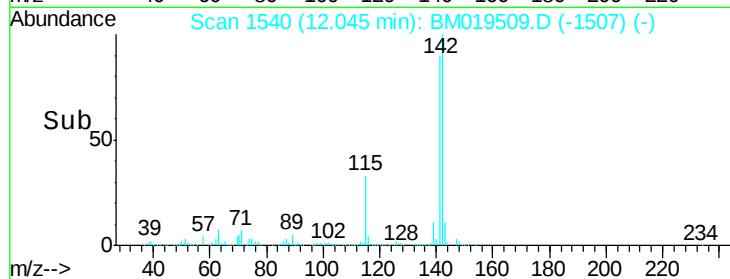
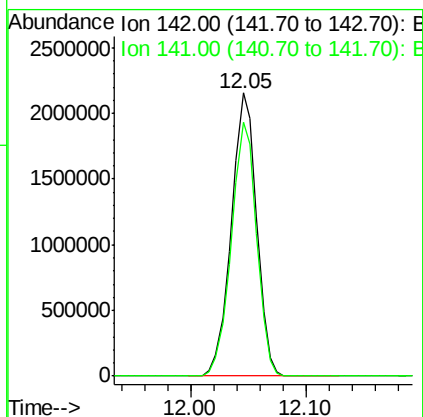
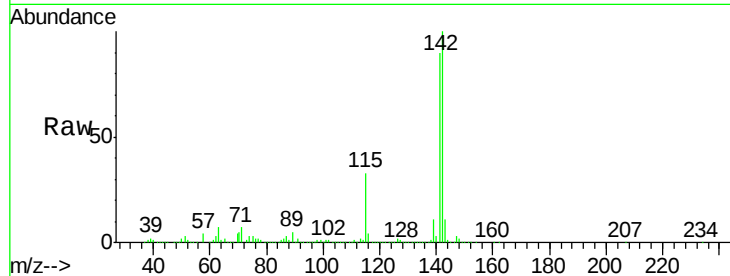




#34
 2-Methylnaphthalene
 Concen: 198.310 ng/ul
 RT: 12.05 min Scan# 1540
 Delta R.T. -0.01 min
 Lab File: BM019509.D
 Acq: 27 Mar 2019 17:41

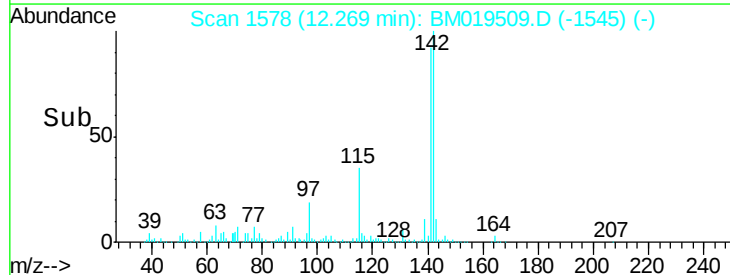
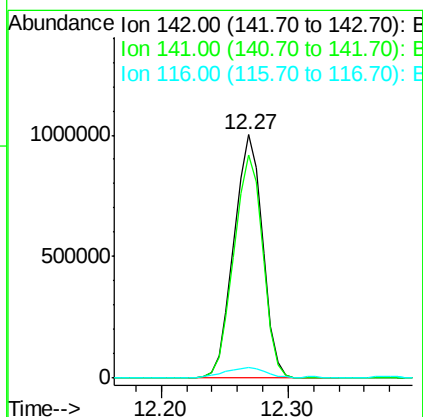
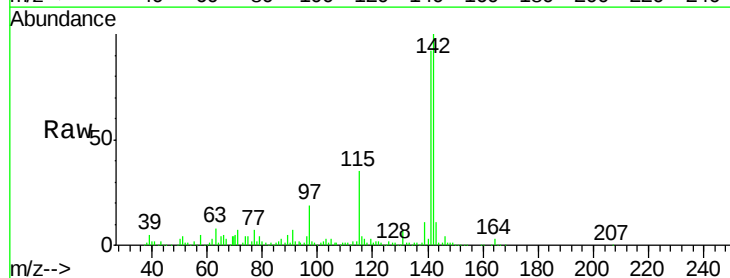
Instrument :
 BNA_M
 ClientSampleId :
 DB6R7MS

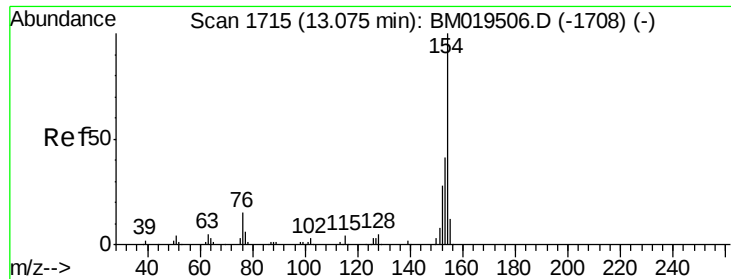
Tgt Ion:142 Resp: 3260442
 Ion Ratio Lower Upper
 142 100
 141 89.7 71.4 107.2



#35
 1-Methylnaphthalene
 Concen: 100.808 ng/ul
 RT: 12.27 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BM019509.D
 Acq: 27 Mar 2019 17:41

Tgt Ion:142 Resp: 1564931
 Ion Ratio Lower Upper
 142 100
 141 91.7 76.6 115.0
 116 4.1 3.6 5.4

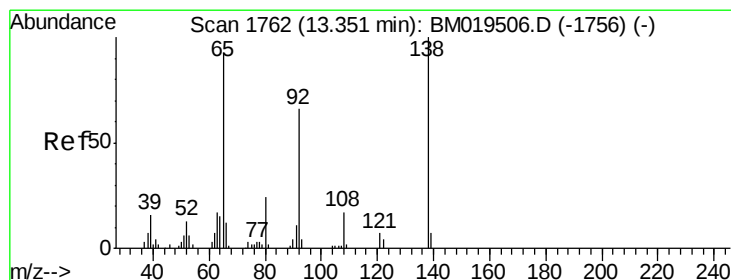
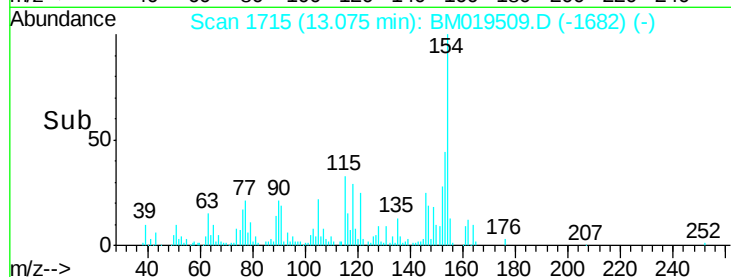
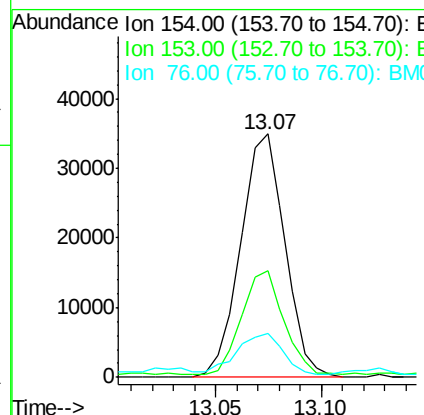
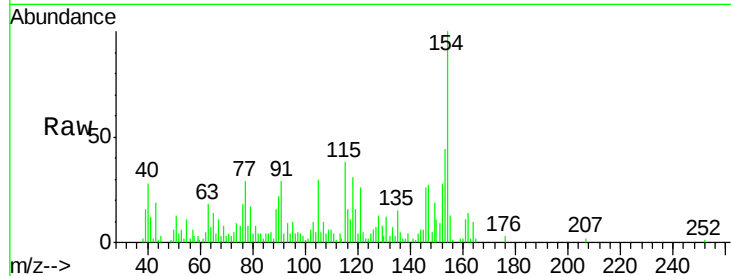




#41
 1,1'-Biphenyl
 Concen: 2.169 ng/ul
 RT: 13.07 min Scan# 1715
 Delta R.T. -0.01 min
 Lab File: BM019509.D
 Acq: 27 Mar 2019 17:41

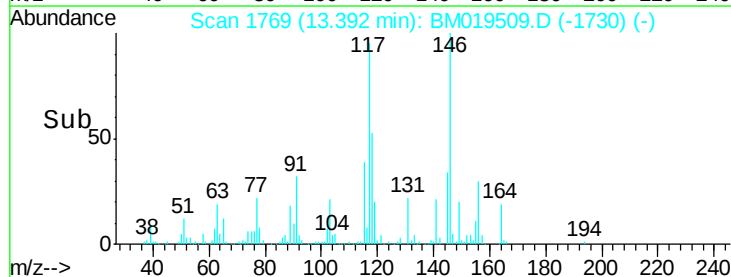
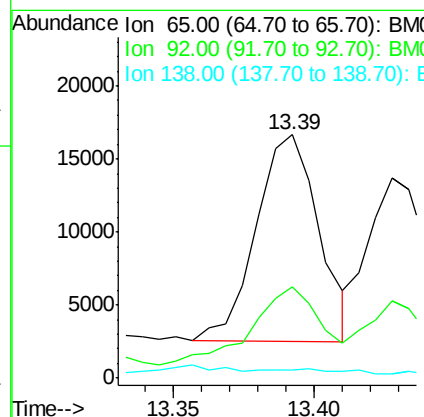
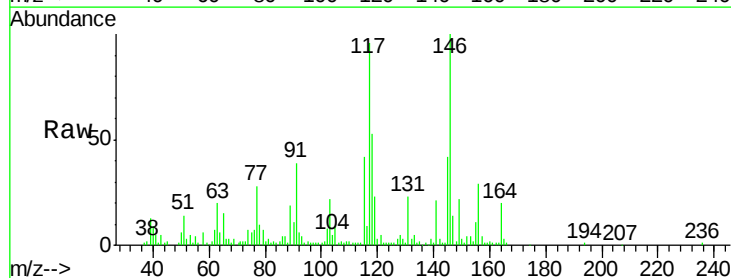
Instrument :
 BNA_M
 ClientSampleId :
 DB6R7MS

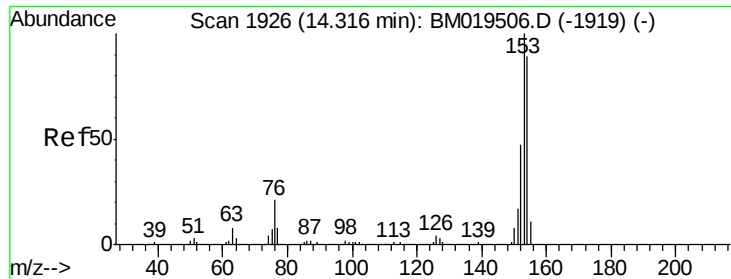
Tgt Ion: 154 Resp: 50770
 Ion Ratio Lower Upper
 154 100
 153 43.7 34.0 51.0
 76 18.1 8.4 12.6#



#43
 2-Nitroaniline
 Concen: 4.419 ng/ul
 RT: 13.39 min Scan# 1769
 Delta R.T. 0.03 min
 Lab File: BM019509.D
 Acq: 27 Mar 2019 17:41

Tgt Ion: 65 Resp: 21753
 Ion Ratio Lower Upper
 65 100
 92 37.6 57.0 85.4#
 138 3.1 87.2 130.8#





#50

Acenaphthene

Concen: 33.410 ng/ul

RT: 14.32 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BM019509.D

Acq: 27 Mar 2019 17:41

Instrument :

BNA_M

ClientSampleId :

DB6R7MS

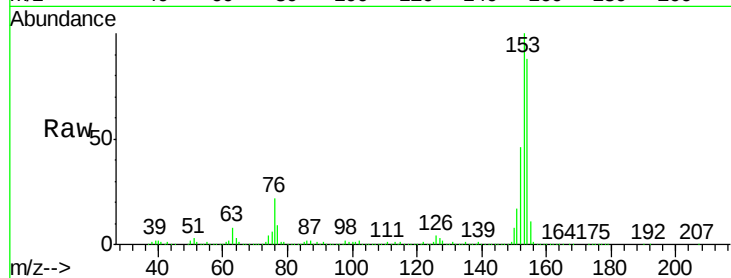
Tgt Ion:153 Resp: 646597

Ion Ratio Lower Upper

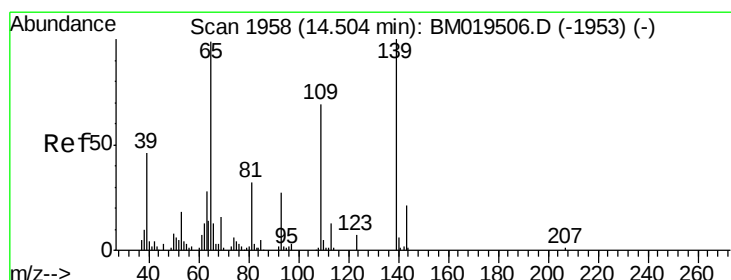
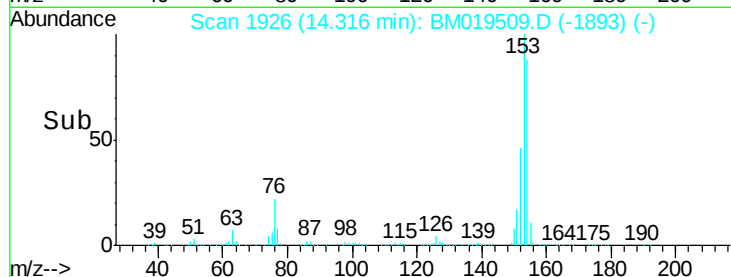
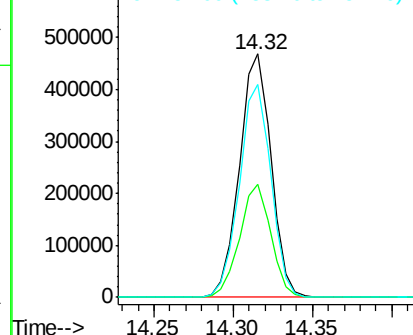
153 100

152 46.4 37.9 56.9

154 87.7 69.8 104.6



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

4-Nitrophenol

Concen: 8.928 ng/ul

RT: 14.52 min Scan# 1961

Delta R.T. 0.01 min

Lab File: BM019509.D

Acq: 27 Mar 2019 17:41

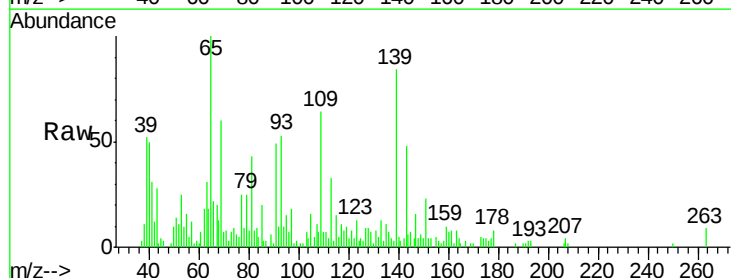
Tgt Ion:109 Resp: 24286

Ion Ratio Lower Upper

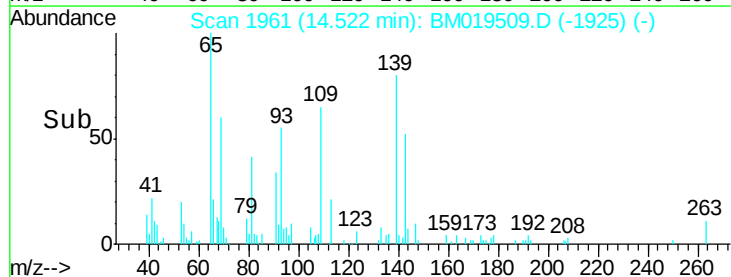
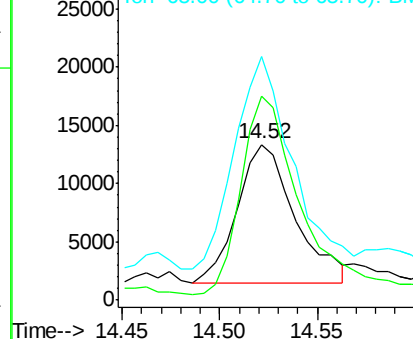
109 100

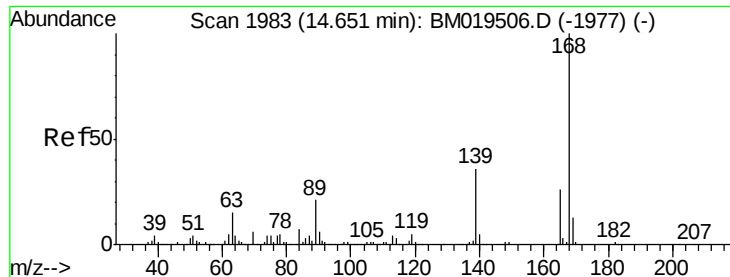
139 130.7 91.2 136.8

65 156.2 92.6 139.0#



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): E

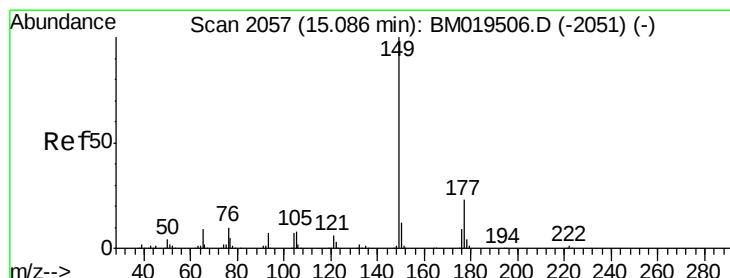
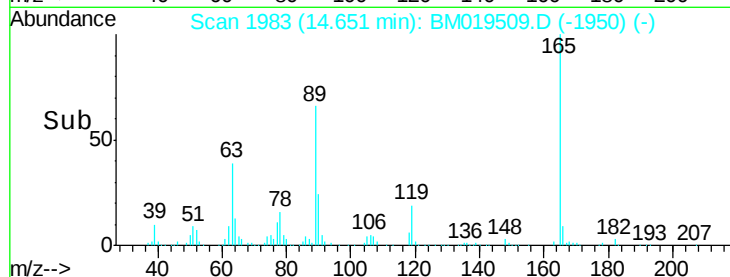
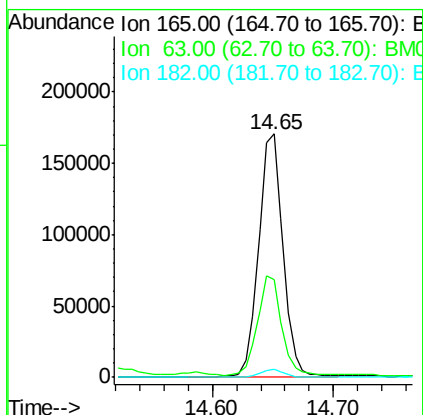
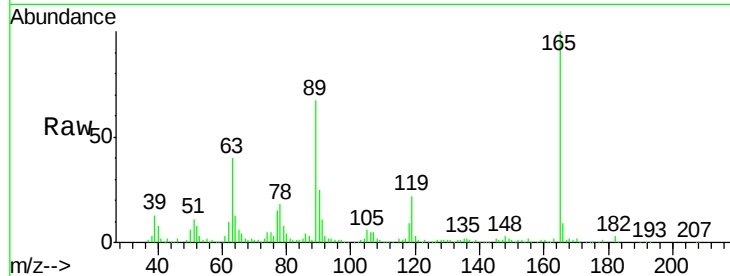




#55
2,4-Dinitrotoluene
Concen: 39.819 ng/ul
RT: 14.65 min Scan# 1983
Delta R.T. -0.01 min
Lab File: BM019509.D
Acq: 27 Mar 2019 17:41

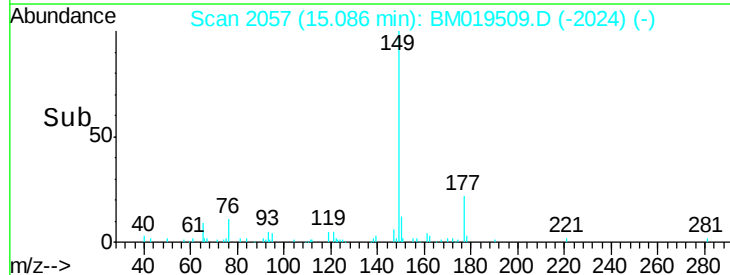
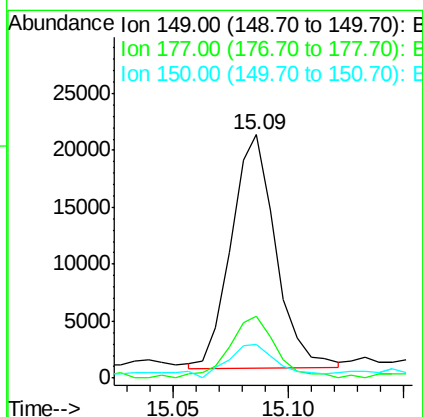
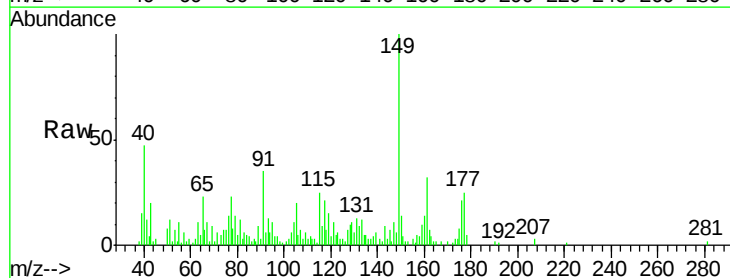
Instrument :
BNA_M
ClientSampleId :
DB6R7MS

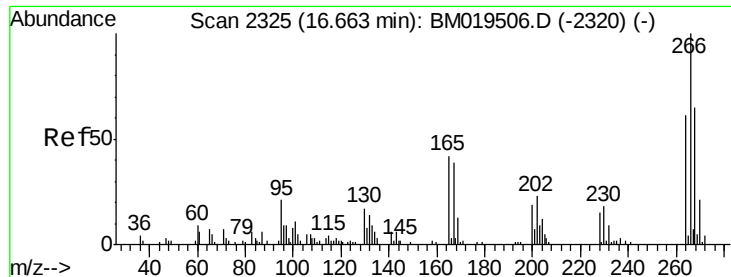
Tgt Ion:165 Resp: 240820
Ion Ratio Lower Upper
165 100
63 40.1 31.4 47.0
182 3.1 2.7 4.1



#57
Diethylphthalate
Concen: 1.260 ng/ul
RT: 15.09 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BM019509.D
Acq: 27 Mar 2019 17:41

Tgt Ion:149 Resp: 27563
Ion Ratio Lower Upper
149 100
177 25.5 19.3 28.9
150 13.9 10.6 15.8

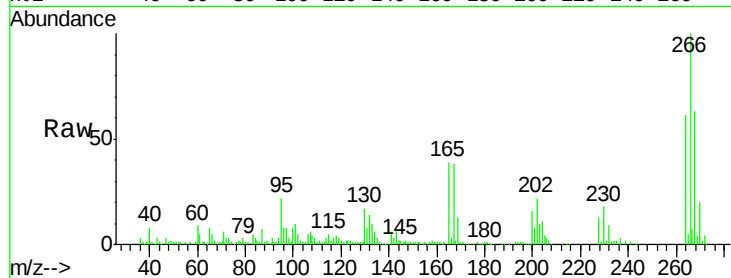




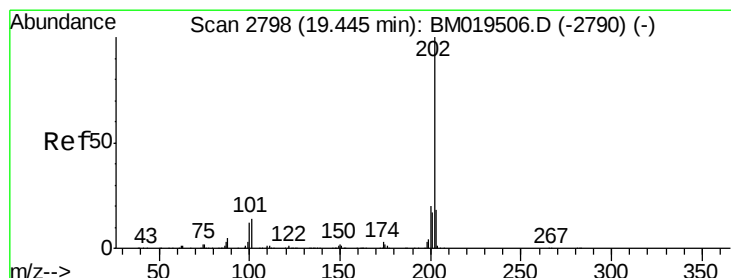
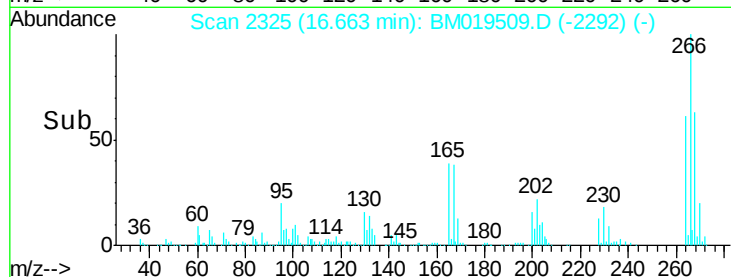
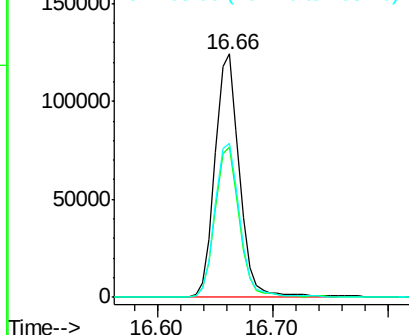
#69
 Pentachlorophenol
 Concen: 43.865 ng/ul
 RT: 16.66 min Scan# 2325
 Delta R.T. -0.01 min
 Lab File: BM019509.D
 Acq: 27 Mar 2019 17:41

Instrument :
 BNA_M
 ClientSampleId :
 DB6R7MS

Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.5	48.2	72.4
268	63.2	52.3	78.5

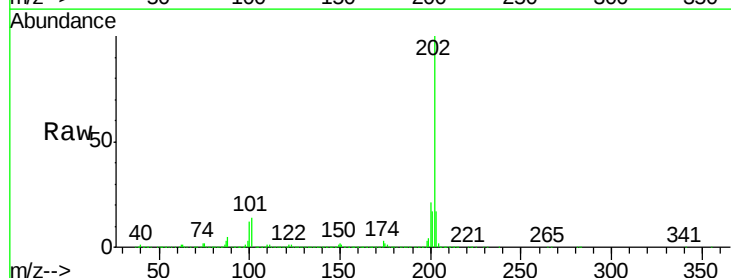


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E



#80
 Pyrene
 Concen: 35.606 ng/ul
 RT: 19.44 min Scan# 2798
 Delta R.T. -0.01 min
 Lab File: BM019509.D
 Acq: 27 Mar 2019 17:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	6.9	10.3#
100	12.0	5.6	8.4#



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

