

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080318\
 Data File : BM016174.D
 Acq On : 03 Aug 2018 11:39
 Operator : SJ/JU
 Sample : J4178-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 04 01:04:49 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM071318MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 04 01:03:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.19	152	42874	20.00	ng/ul	0.00
18) Naphthalene-d8	11.01	136	162155	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.82	164	102144	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.57	188	616379	20.00	ng/ul	0.03
77) Chrysene-d12	21.74	240	205706	20.00	ng/ul	0.08
85) Perylene-d12	24.04	264	198873	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	3098	3.18	ng/uL	0.00
5) Phenol-d5	7.36	99	49103	12.53	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.52	67	35068	14.23	ng/ul	0.00
9) 2-Chlorophenol-d4	7.72	132	47111	14.80	ng/ul	0.01
13) 4-Methylphenol-d8	8.91	113	41043	12.23	ng/ul	0.00
19) Nitrobenzene-d5	9.37	128	20740	17.81	ng/ul	0.00
22) 2-Nitrophenol-d4	10.10	143	22149	16.73	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.65	165	40316	15.73	ng/ul	0.01
29) 4-Chloroaniline-d4	11.17	131	43028	13.80	ng/ul	0.01
43) Dimethylphthalate-d6	14.22	166	173428	18.63	ng/ul	0.00
46) Acenaphthylene-d8	14.52	160	181392	17.08	ng/ul	0.00
51) 4-Nitrophenol-d4	15.02	143	7323	4.54	ng/ul	-0.01
57) Fluorene-d10	15.82	176	167247	21.18	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.96	200	19567	4.76	ng/ul	0.02
70) Anthracene-d10	17.67	188	536583	17.00	ng/ul	0.03
78) Pyrene-d10	19.99	212	160423	16.83	ng/ul	0.08
89) Benzo(a)pyrene-d12	23.90	264	212482	19.43	ng/ul	0.02

Target Compounds

				Ovalue	
6) Phenol	7.39	94	28431	7.227	ng/ul# 69
11) 2-Methylphenol	8.56	108	66519	21.984	ng/ul 91
24) 2,4-Dimethylphenol	10.19	107	8999	2.769	ng/ul# 65
27) 2,4-Dichlorophenol	10.76	162	10599	4.222	ng/ul# 25
28) Naphthalene	11.06	128	19648	2.286	ng/ul# 94
31) Hexachlorobutadiene	11.31	225	7261	4.118	ng/ul 90
32) Caprolactam	11.97	113	4402	5.203	ng/ul# 1
42) 2-Nitroaniline	13.93	65	2589	1.212	ng/ul# 32
44) Dimethylphthalate	14.27	163	33215	3.602	ng/ul# 91
45) 2,6-Dinitrotoluene	14.40	165	10334	6.272	ng/ul# 27
47) Acenaphthylene	14.53	152	16070	1.545	ng/ul# 1
48) 3-Nitroaniline	14.76	138	10220	6.024	ng/ul# 44
52) 4-Nitrophenol	15.06	109	7834	4.073	ng/ul# 14
54) 2,4-Dinitrotoluene	15.21	165	5904	2.233	ng/ul# 65
59) 4-Chlorophenyl-phenylether	15.88	204	19263	4.426	ng/ul# 1
60) 4-Nitroaniline	15.90	138	4284	2.302	ng/ul# 19
63) 4,6-Dinitro-2-methylphenol	15.98	198	5097	1.210	ng/ul# 1
64) N-Nitrosodiphenylamine	16.07	169	107817	5.647	ng/ul# 41
66) Hexachlorobenzene	16.88	284	7584	1.023	ng/ul# 1
68) Pentachlorophenol	17.24	266	7695	1.930	ng/ul# 12
69) Phenanthrene	17.62	178	164515	4.514	ng/ul# 19
71) Anthracene	17.74	178	70778	1.884	ng/ul# 1
75) Di-n-butylphthalate	18.50	149	737853	16.959	ng/ul# 70

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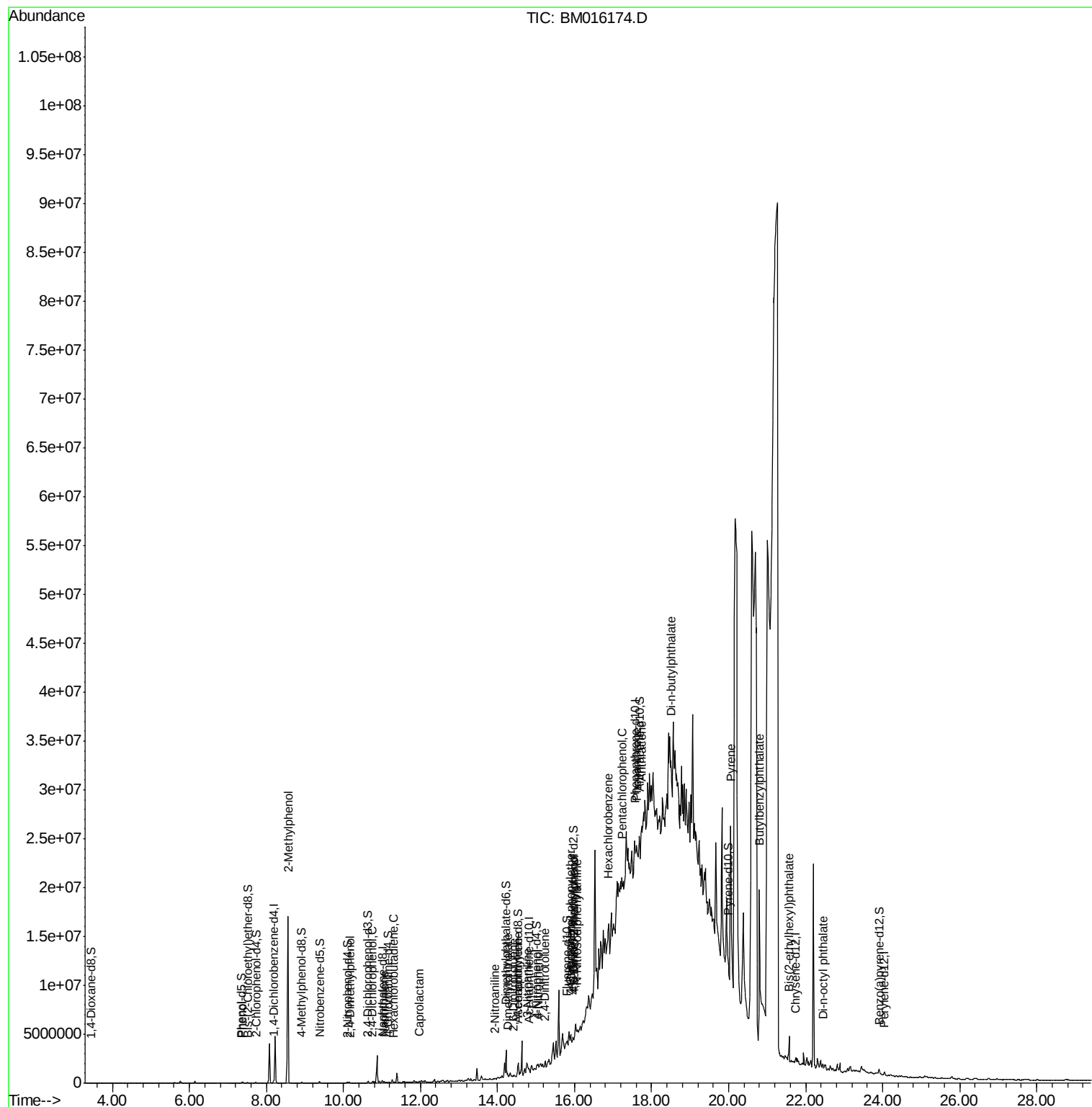
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Pyrene	20.06	202	35318	2.912	ng/ul#	1
80) Butylbenzylphthalate	20.80	149	90786	15.562	ng/ul#	63
83) Bis(2-ethylhexyl)phthalate	21.57	149	725426	84.793	ng/ul	96
86) Di-n-octyl phthalate	22.44	149	219233	14.075	ng/ul#	1

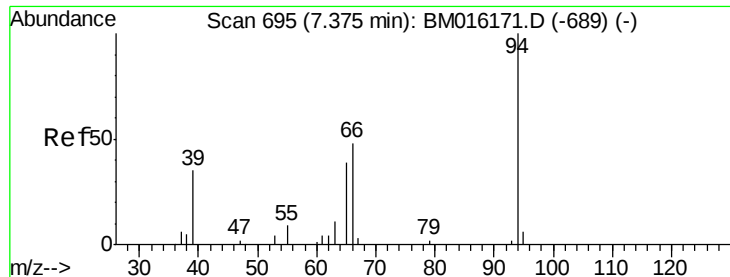
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 7.227 ng/ul

RT: 7.39 min Scan# 697

Delta R.T. 0.01 min

Lab File: BM016174.D

Acq: 03 Aug 2018 11:39

Instrument :

BNA_M

ClientSampled :

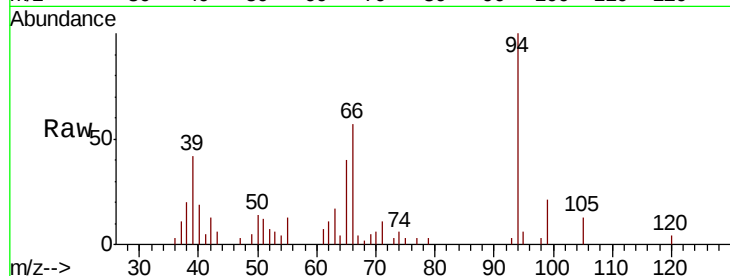
Tot Ion: 94 Resp: 28431

Ion Ratio Lower Upper

94 100

65 40.0 21.0 31.6#

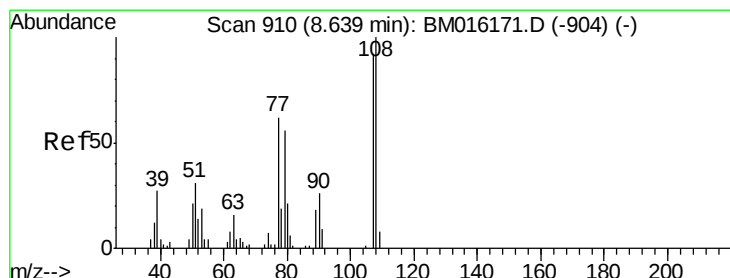
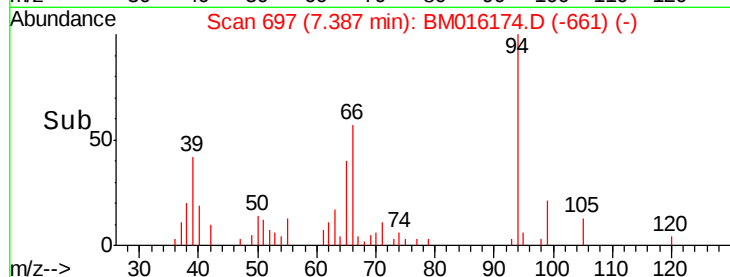
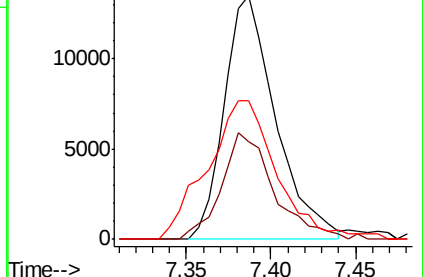
66 56.9 29.3 43.9#



Abundance Ion 94.00 (93.70 to 94.70): BM016174.D (-689) (-)

Ion 65.00 (64.70 to 65.70): BM016174.D (-689) (-)

Ion 66.00 (65.70 to 66.70): BM016174.D (-689) (-)



#11

2-Methylphenol

Concen: 21.984 ng/ul

RT: 8.56 min Scan# 897

Delta R.T. -0.08 min

Lab File: BM016174.D

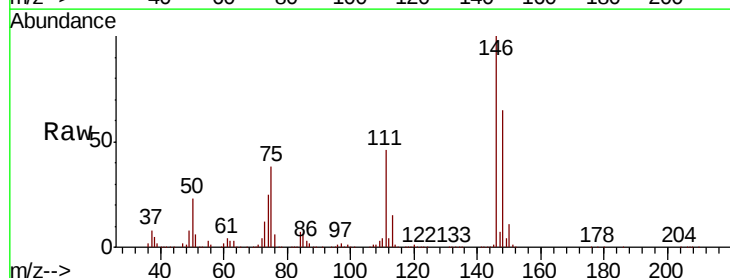
Acq: 03 Aug 2018 11:39

Tgt Ion:108 Resp: 66519

Ion Ratio Lower Upper

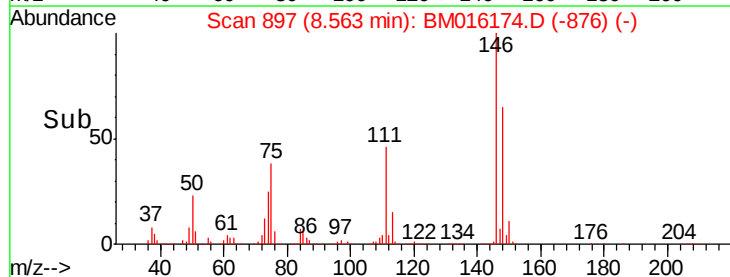
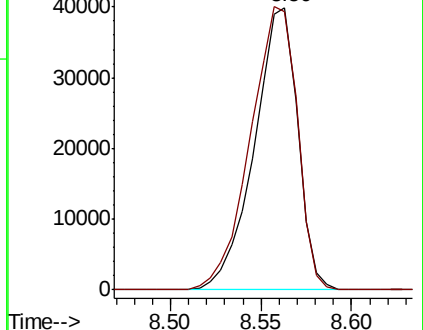
108 100

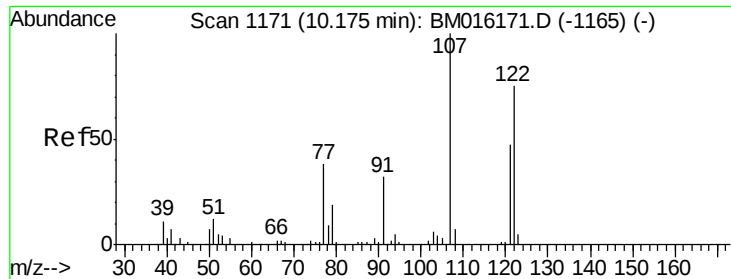
107 98.6 72.4 108.6



Abundance Ion 108.00 (107.70 to 108.70): BM016174.D (-904) (-)

Ion 107.00 (106.70 to 107.70): BM016174.D (-904) (-)

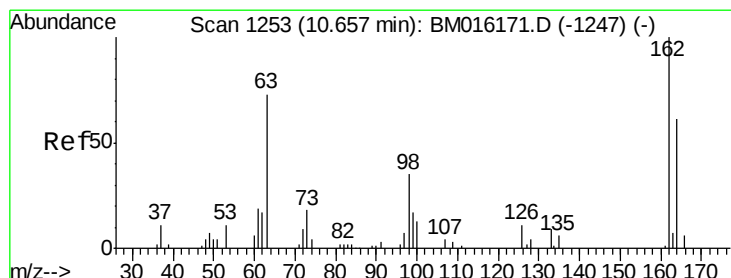
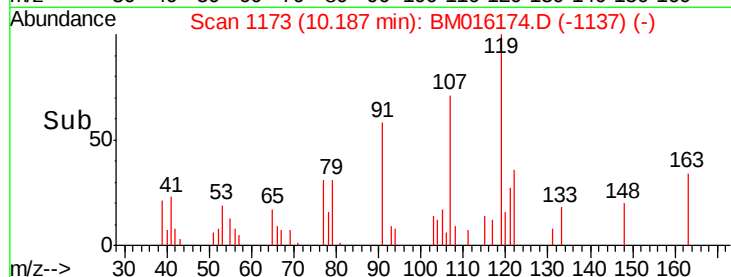
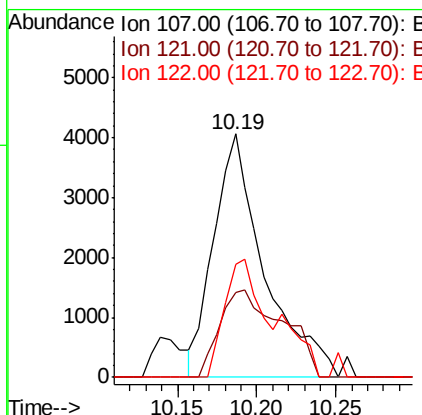
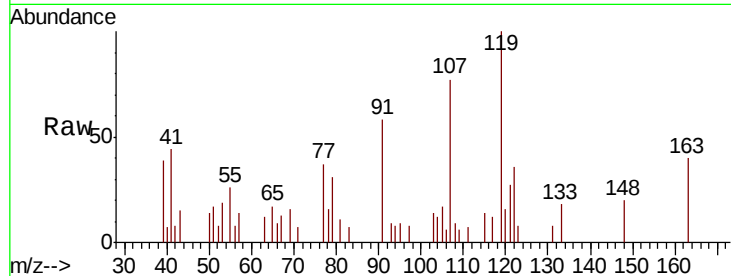




#24
 2,4-Dimethylphenol
 Concen: 2.769 ng/ul
 RT: 10.19 min Scan# 1173
 Delta R.T. 0.01 min
 Lab File: BM016174.D
 Acq: 03 Aug 2018 11:39

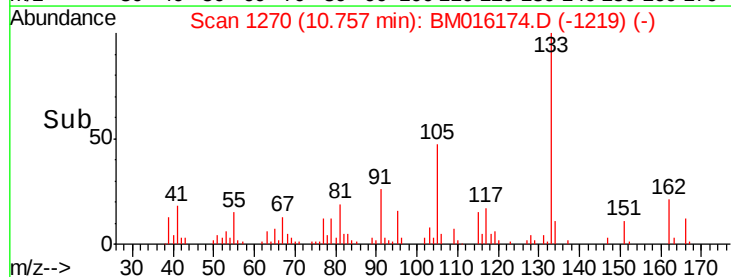
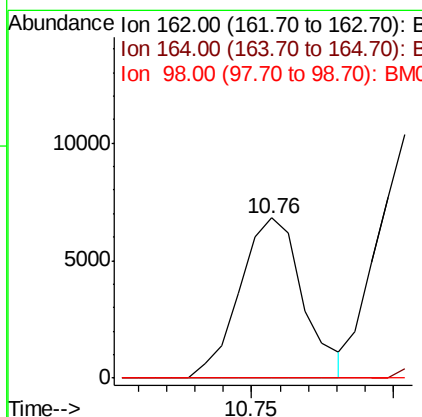
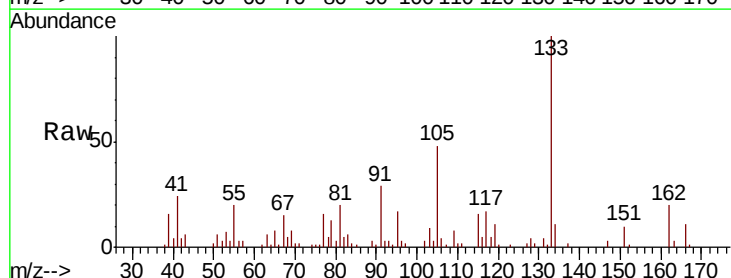
Instrument :
 BNA_M
 ClientSampleId :

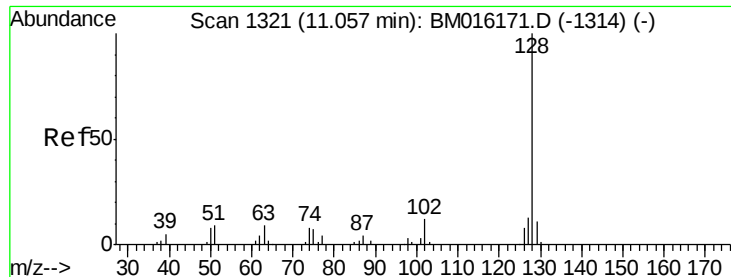
Tot Ion	Ratio	Lower	Upper
107	100		
121	35.0	40.6	61.0#
122	46.5	67.8	101.6#



#27
 2,4-Dichlorophenol
 Concen: 4.222 ng/ul
 RT: 10.76 min Scan# 1270
 Delta R.T. 0.10 min
 Lab File: BM016174.D
 Acq: 03 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
162	100		
164	0.0	52.1	78.1#
98	0.0	28.4	42.6#

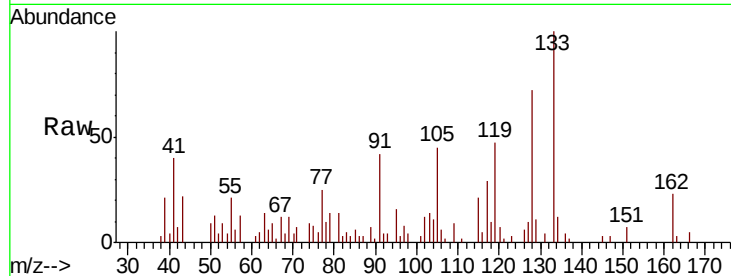




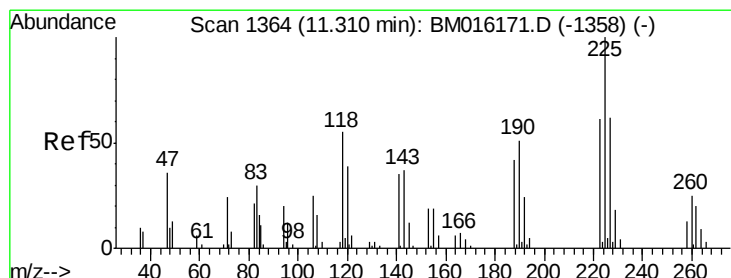
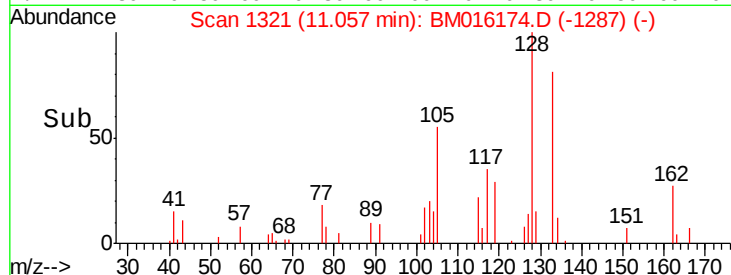
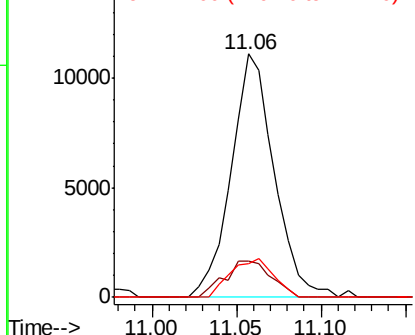
#28
Naphthalene
Concen: 2.286 ng/ul
RT: 11.06 min Scan# 1321
Delta R.T. 0.00 min
Lab File: BM016174.D
Acq: 03 Aug 2018 11:39

Instrument :
BNA_M
ClientSampled :

Tot Ion:128 Resp: 19648
Ion Ratio Lower Upper
128 100
129 14.9 8.8 13.2#
127 13.8 10.5 15.7

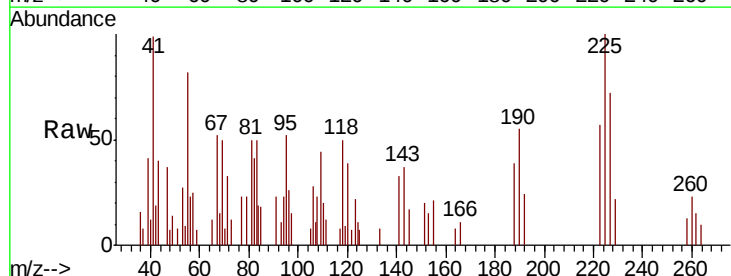


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

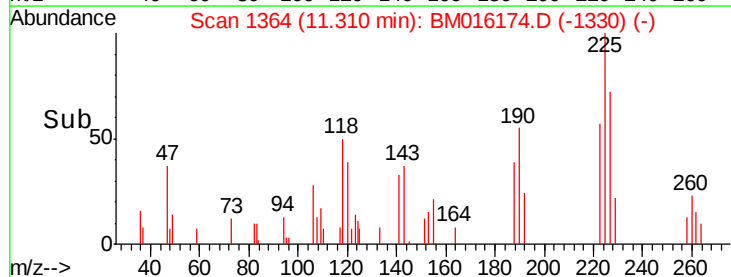
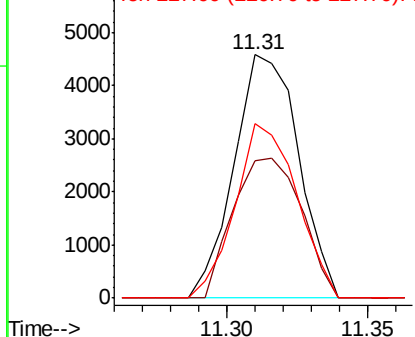


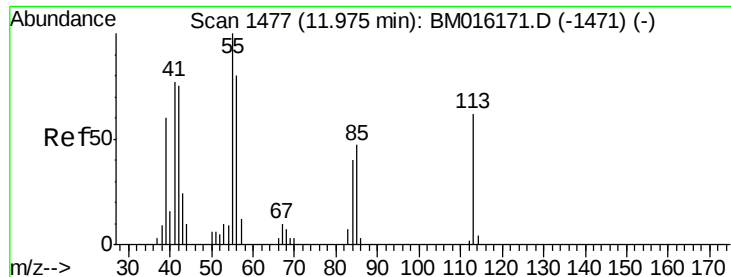
#31
Hexachlorobutadiene
Concen: 4.118 ng/ul
RT: 11.31 min Scan# 1364
Delta R.T. 0.00 min
Lab File: BM016174.D
Acq: 03 Aug 2018 11:39

Tgt Ion:225 Resp: 7261
Ion Ratio Lower Upper
225 100
223 56.6 51.4 77.2
227 71.6 50.7 76.1



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#32

Caprolactam

Concen: 5.203 ng/ul

RT: 11.97 min Scan# 1477

Delta R.T. 0.00 min

Lab File: BM016174.D

Acq: 03 Aug 2018 11:39

Instrument :

BNA_M

ClientSampleId :

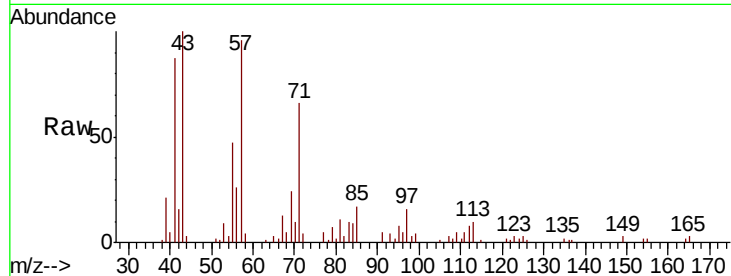
Tot Ion:113 Resp: 4402

Ion Ratio Lower Upper

113 100

55 446.0 101.9 152.9#

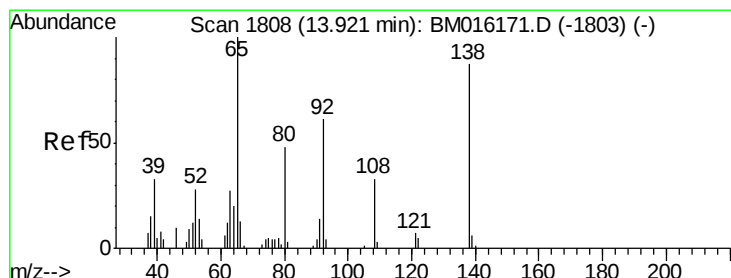
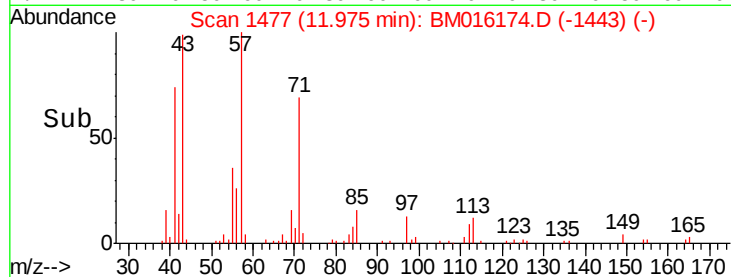
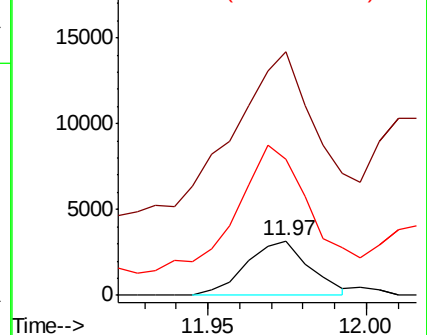
56 250.2 81.2 121.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM

Ion 56.00 (55.70 to 56.70): BM



#42

2-Nitroaniline

Concen: 1.212 ng/ul

RT: 13.93 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BM016174.D

Acq: 03 Aug 2018 11:39

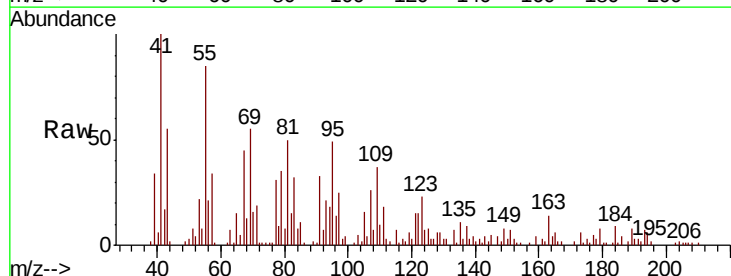
Tgt Ion: 65 Resp: 2589

Ion Ratio Lower Upper

65 100

92 48.7 60.4 90.6#

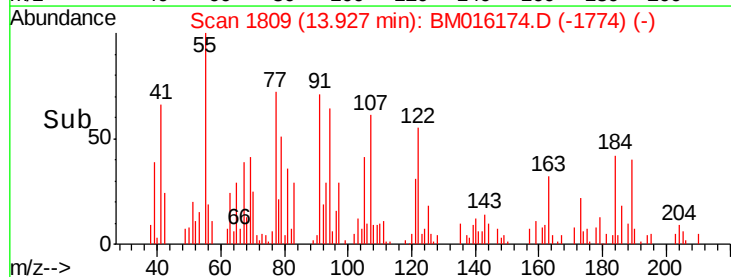
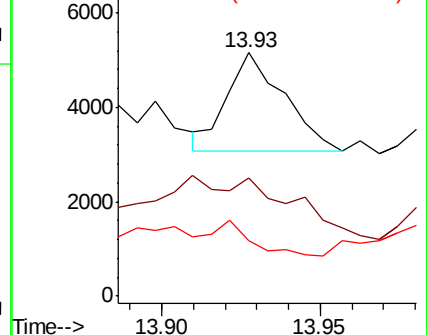
138 23.0 99.8 149.6#

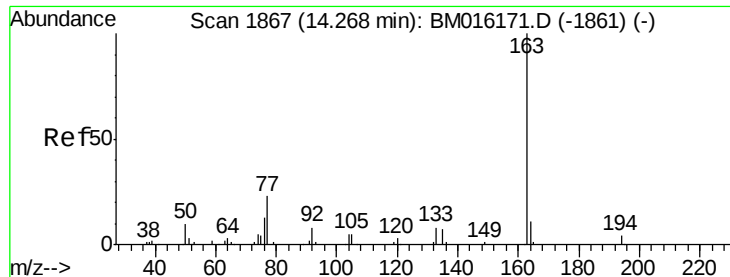


Abundance Ion 65.00 (64.70 to 65.70): BM

Ion 92.00 (91.70 to 92.70): BM

Ion 138.00 (137.70 to 138.70): E





#44

Dimethylphthalate

Concen: 3.602 ng/ul

RT: 14.27 min Scan# 1867

Delta R.T. 0.00 min

Lab File: BM016174.D

Acq: 03 Aug 2018 11:39

Instrument :

BNA_M

ClientSampled :

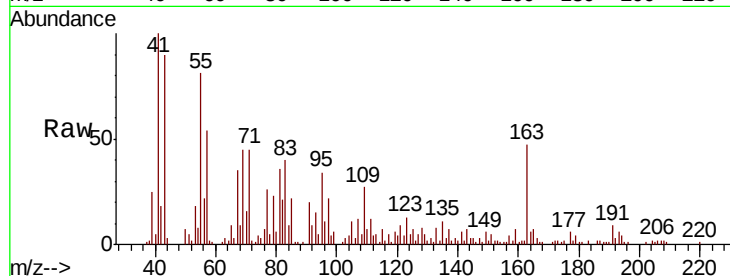
Tot Ion:163 Resp: 33215

Ion Ratio Lower Upper

163 100

194 7.9 3.2 4.8#

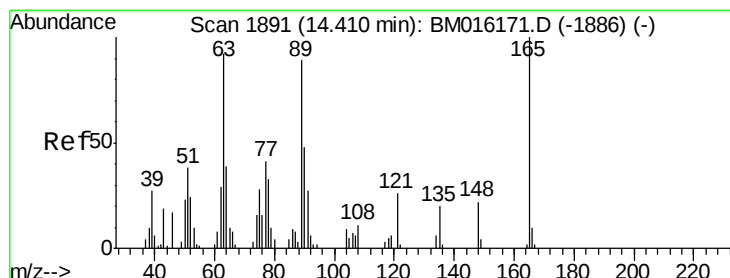
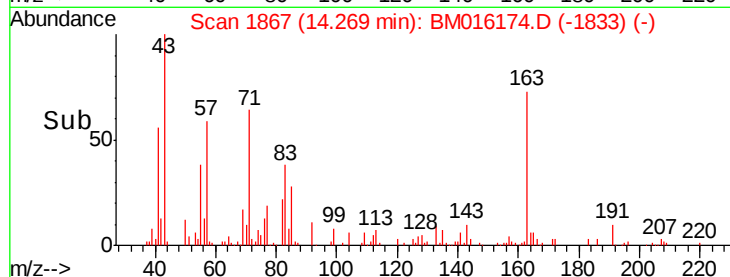
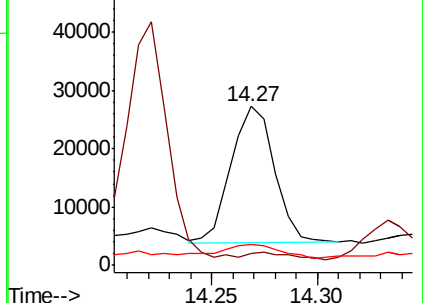
164 12.9 7.8 11.8#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#45

2,6-Dinitrotoluene

Concen: 6.272 ng/ul

RT: 14.40 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BM016174.D

Acq: 03 Aug 2018 11:39

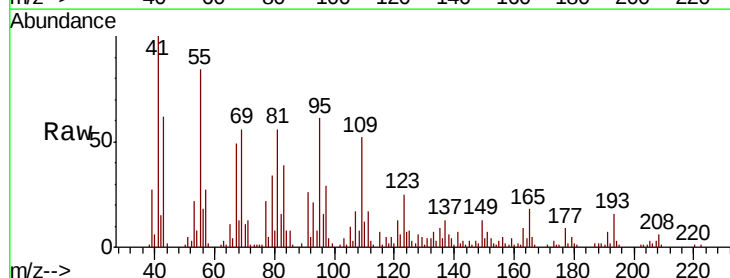
Tgt Ion:165 Resp: 10334

Ion Ratio Lower Upper

165 100

89 10.1 42.4 63.6#

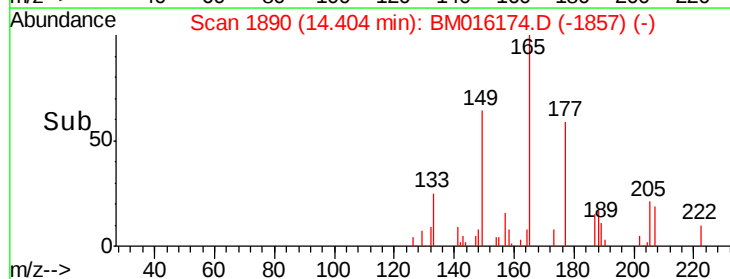
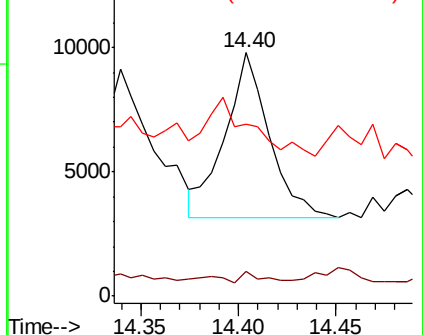
121 70.4 16.6 24.8#

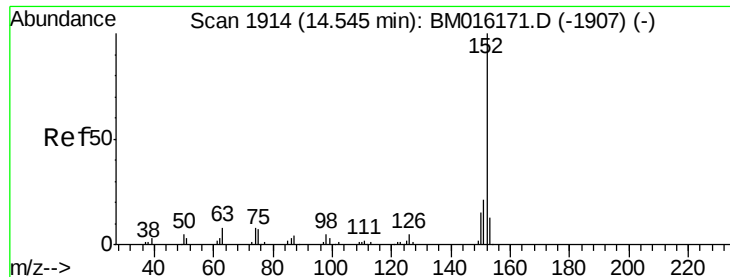


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BM

Ion 121.00 (120.70 to 121.70): E





#47

Acenaphthylene

Concen: 1.545 ng/ul

RT: 14.53 min Scan# 1912

Delta R.T. -0.01 min

Lab File: BM016174.D

Acq: 03 Aug 2018 11:39

Instrument :

BNA_M

ClientSampleId :

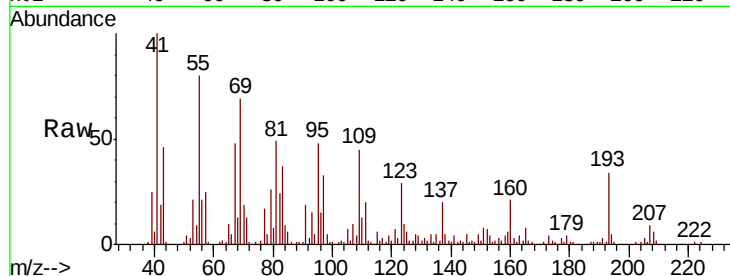
Tot Ion:152 Resp: 16070

Ion Ratio Lower Upper

152 100

151 107.3 15.7 23.5#

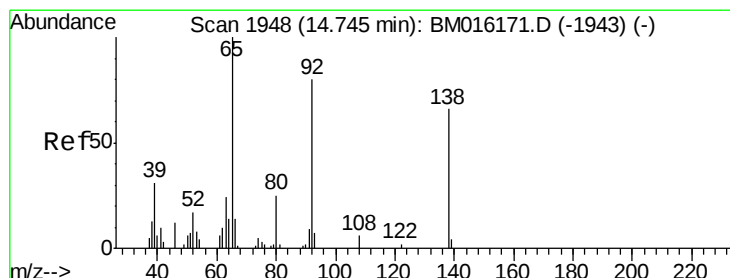
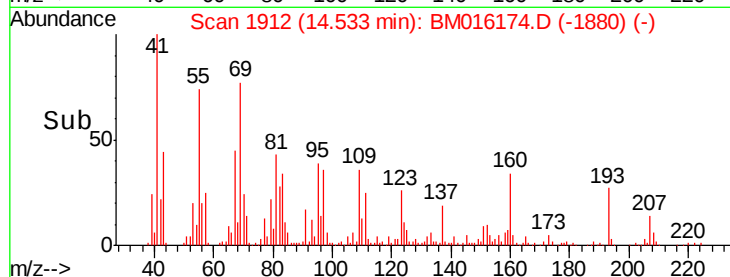
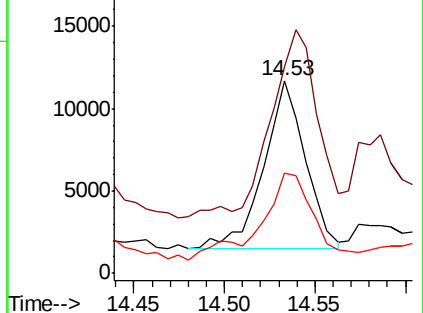
153 52.2 10.5 15.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#48

3-Nitroaniline

Concen: 6.024 ng/ul

RT: 14.76 min Scan# 1951

Delta R.T. 0.02 min

Lab File: BM016174.D

Acq: 03 Aug 2018 11:39

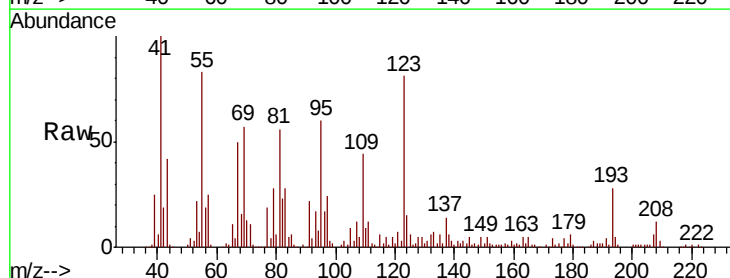
Tgt Ion:138 Resp: 10220

Ion Ratio Lower Upper

138 100

108 81.8 8.7 13.1#

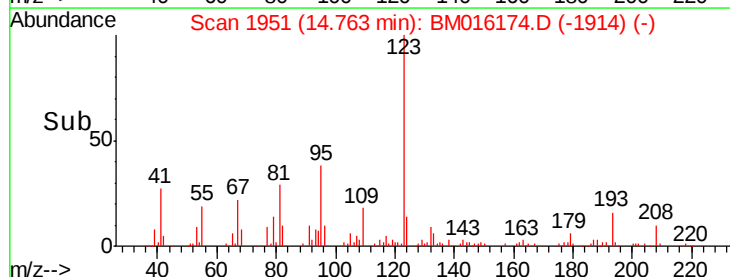
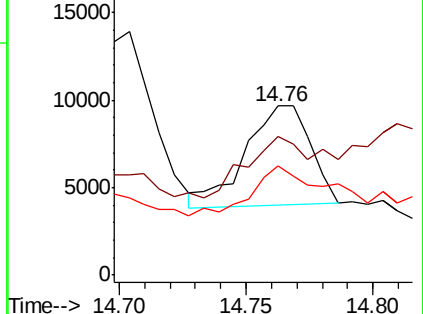
92 64.4 88.2 132.4#

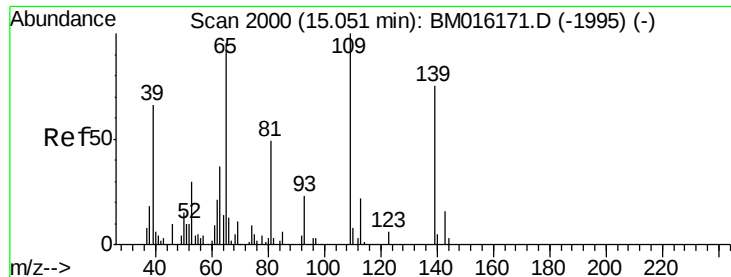


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM

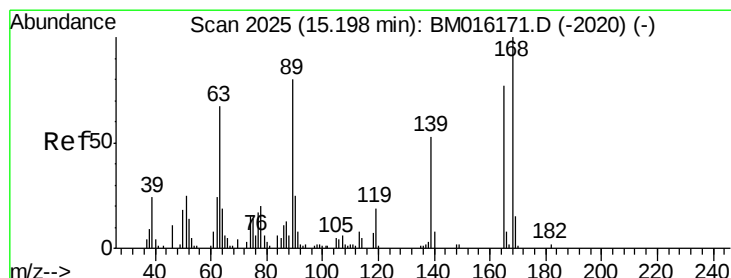
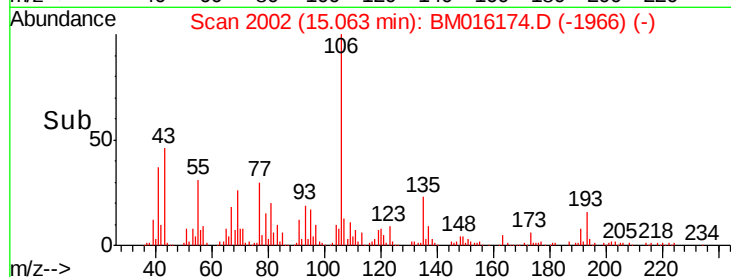
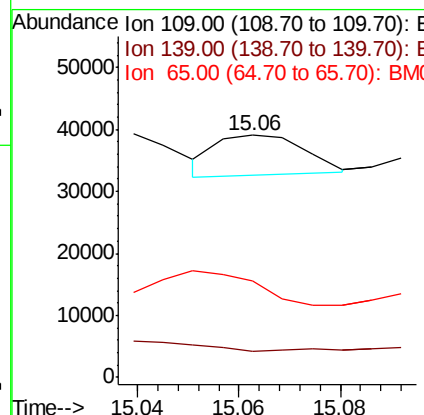
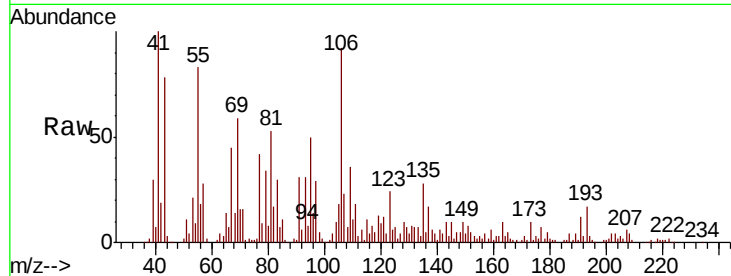




#52
4-Nitrophenol
Concen: 4.073 ng/ul
RT: 15.06 min Scan# 2002
Delta R.T. 0.01 min
Lab File: BM016174.D
Acq: 03 Aug 2018 11:39

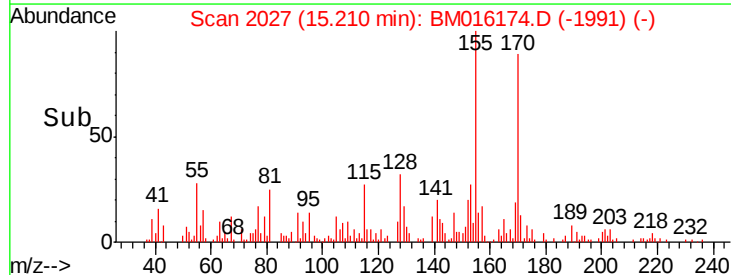
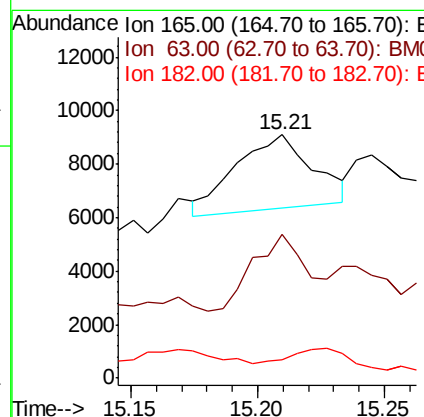
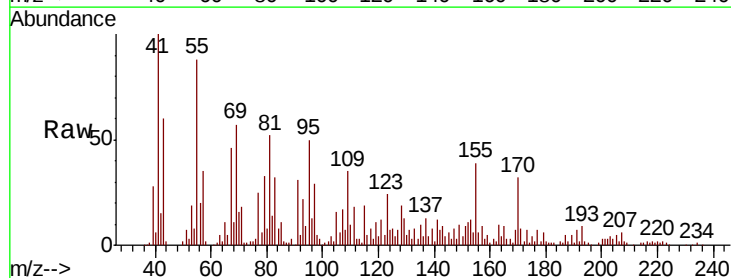
Instrument :
BNA_M
ClientSampled :

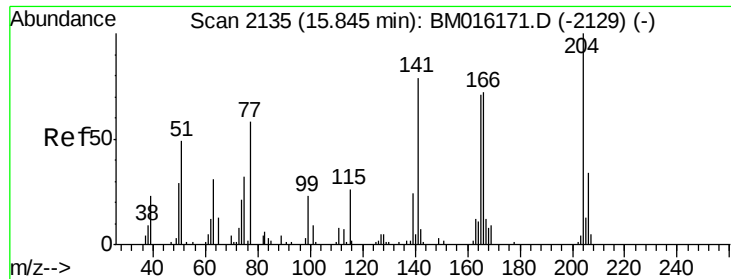
Tot Ion:109 Resp: 7834
Ion Ratio Lower Upper
109 100
139 10.9 103.7 155.5#
65 39.6 89.4 134.2#



#54
2,4-Dinitrotoluene
Concen: 2.233 ng/ul
RT: 15.21 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BM016174.D
Acq: 03 Aug 2018 11:39

Tgt Ion:165 Resp: 5904
Ion Ratio Lower Upper
165 100
63 59.2 29.8 44.6#
182 7.5 2.2 3.4#

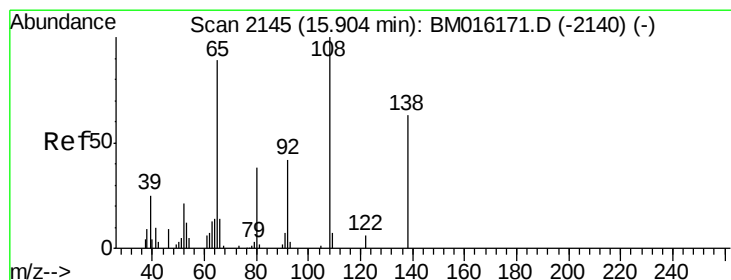
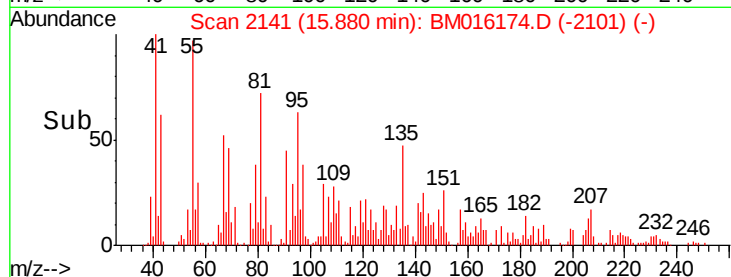
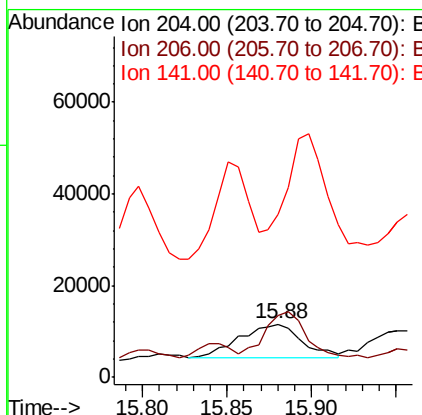
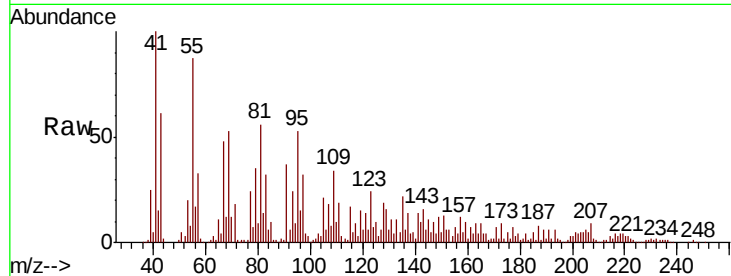




#59
4-Chlorophenyl-phenylether
Concen: 4.426 ng/ul
RT: 15.88 min Scan# 2141
Delta R.T. 0.04 min
Lab File: BM016174.D
Acq: 03 Aug 2018 11:39

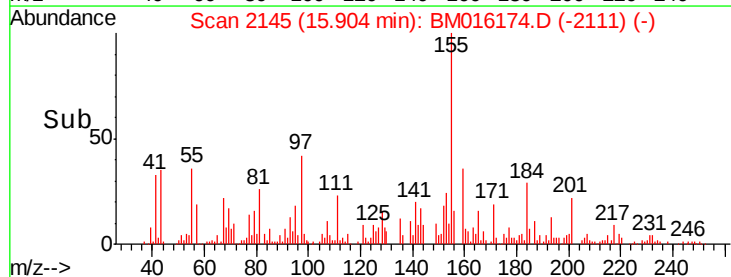
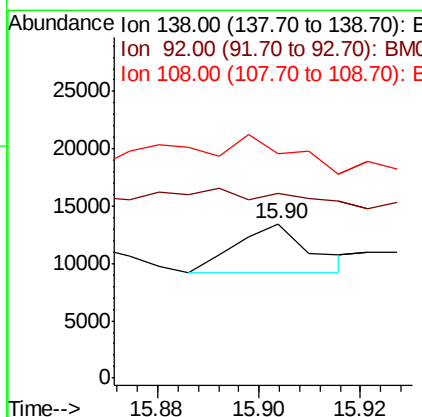
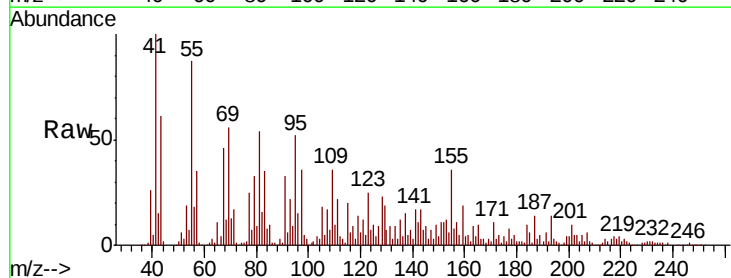
Instrument :
BNA_M
ClientSampleId :

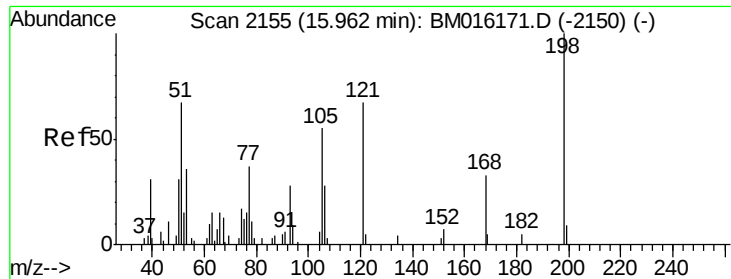
Tot Ion:204 Resp: 19263
Ion Ratio Lower Upper
204 100
206 115.7 26.2 39.4#
141 303.8 54.6 81.8#



#60
4-Nitroaniline
Concen: 2.302 ng/ul
RT: 15.90 min Scan# 2145
Delta R.T. 0.00 min
Lab File: BM016174.D
Acq: 03 Aug 2018 11:39

Tgt Ion:138 Resp: 4284
Ion Ratio Lower Upper
138 100
92 120.2 40.6 60.8#
108 146.0 67.0 100.6#





#63

4,6-Dinitro-2-methylphenol

Concen: 1.210 ng/ul

RT: 15.98 min Scan# 2158

Delta R.T. 0.02 min

Lab File: BM016174.D

Acq: 03 Aug 2018 11:39

Instrument :

BNA_M

ClientSampled :

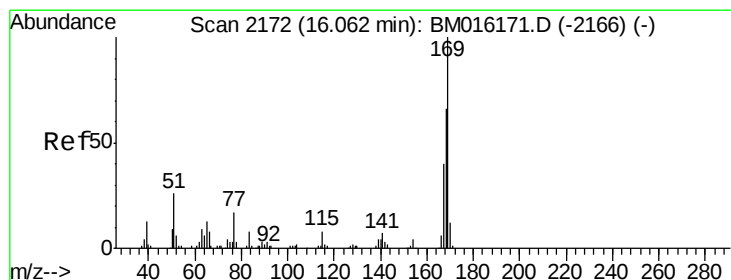
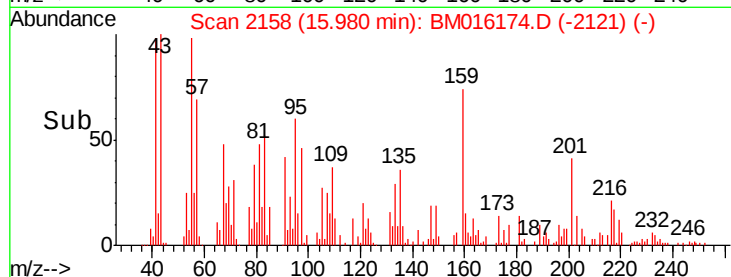
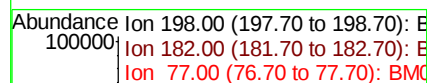
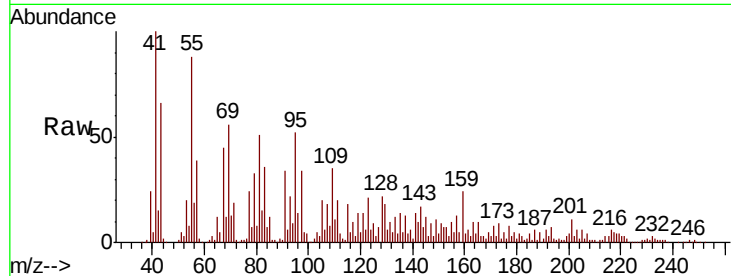
Tot Ion:198 Resp: 5097

Ion Ratio Lower Upper

198 100

182 182.9 3.1 4.7#

77 1624.4 20.1 30.1#



#64

N-Nitrosodiphenylamine

Concen: 5.647 ng/ul

RT: 16.07 min Scan# 2174

Delta R.T. 0.01 min

Lab File: BM016174.D

Acq: 03 Aug 2018 11:39

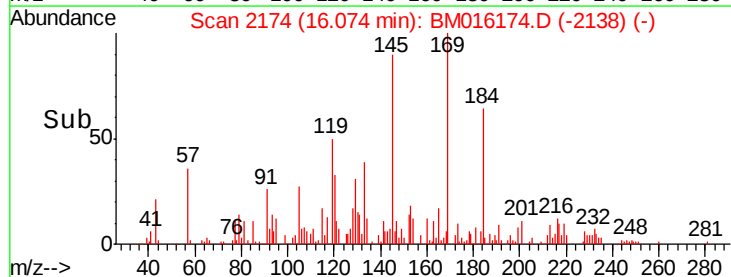
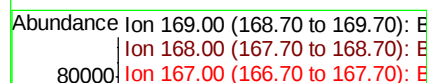
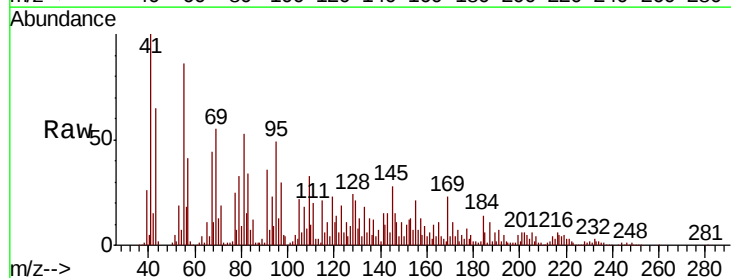
Tgt Ion:169 Resp: 107817

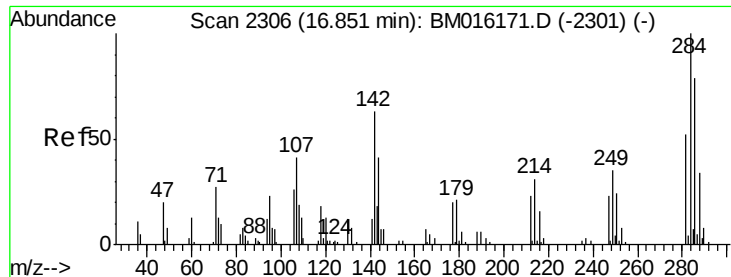
Ion Ratio Lower Upper

169 100

168 9.9 53.8 80.8#

167 15.4 29.3 43.9#

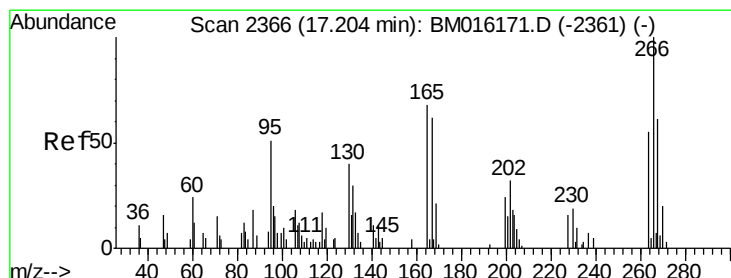
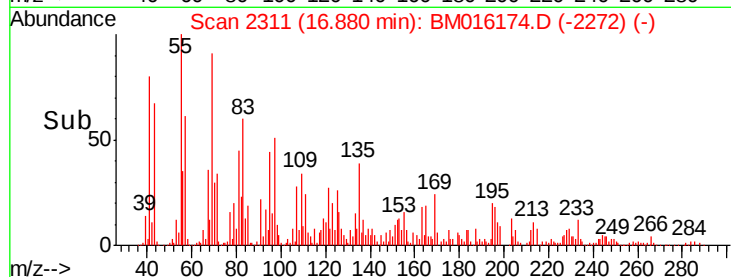
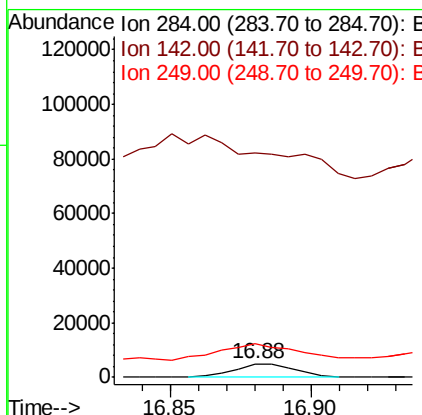
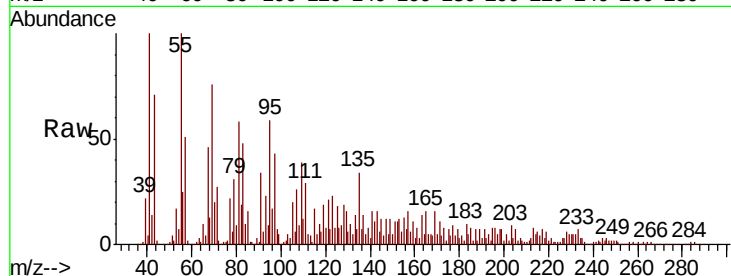




#66
Hexachlorobenzene
Concen: 1.023 ng/ul
RT: 16.88 min Scan# 2311
Delta R.T. 0.03 min
Lab File: BM016174.D
Acq: 03 Aug 2018 11:39

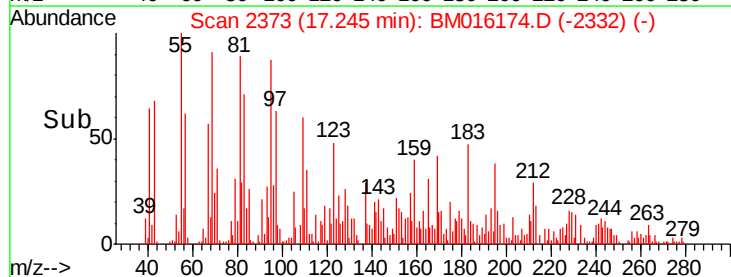
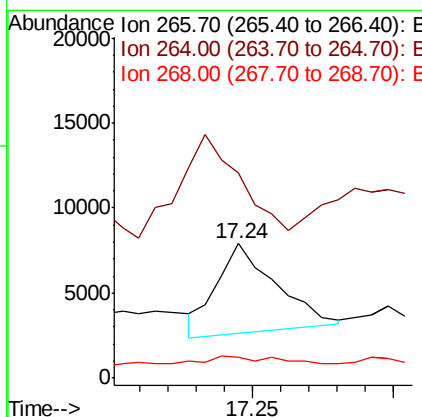
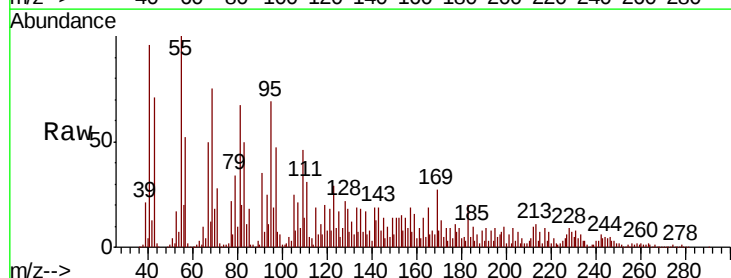
Instrument :
BNA_M
ClientSampleId :

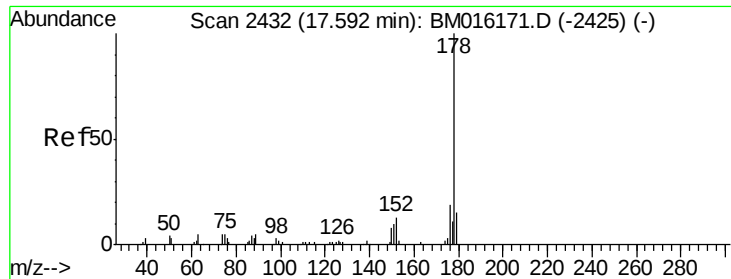
Tot Ion:284 Resp: 7584
Ion Ratio Lower Upper
284 100
142 1633.8 33.1 49.7#
249 246.1 27.1 40.7#



#68
Pentachlorophenol
Concen: 1.930 ng/ul
RT: 17.24 min Scan# 2373
Delta R.T. 0.04 min
Lab File: BM016174.D
Acq: 03 Aug 2018 11:39

Tgt Ion:266 Resp: 7695
Ion Ratio Lower Upper
266 100
264 152.3 50.5 75.7#
268 15.1 50.9 76.3#





#69

Phenanthrene

Concen: 4.514 ng/ul

RT: 17.62 min Scan# 2437

Delta R.T. 0.03 min

Lab File: BM016174.D

Acq: 03 Aug 2018 11:39

Instrument :

BNA_M

ClientSampled :

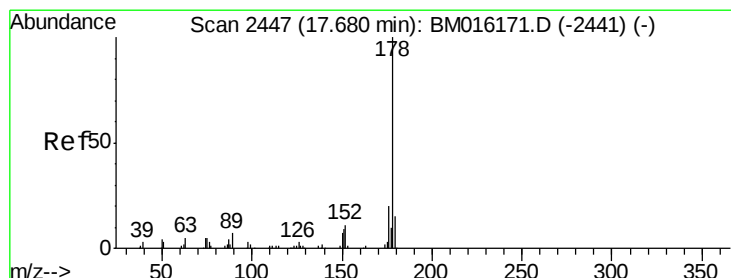
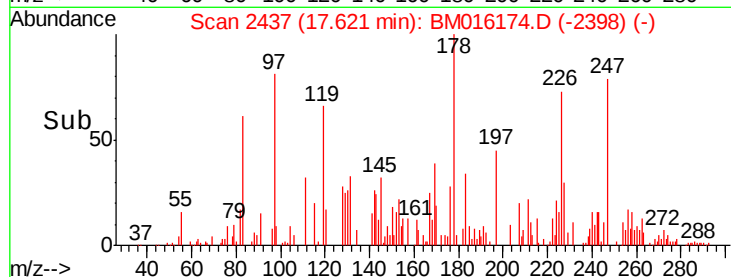
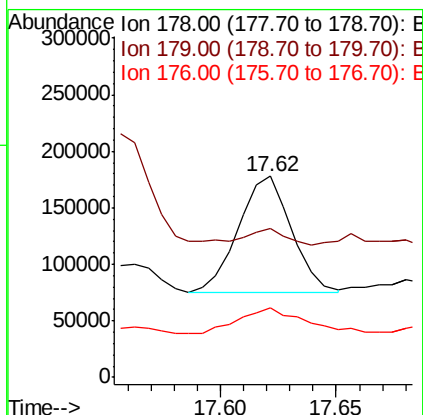
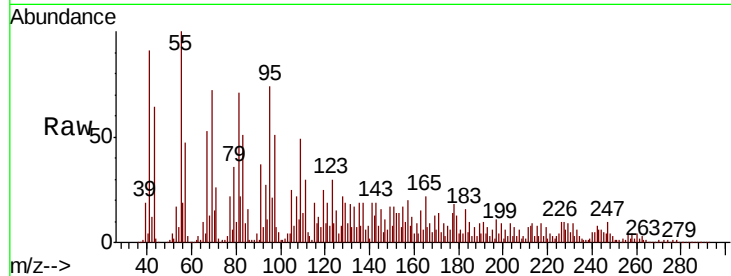
Tot Ion:178 Resp: 164515

Ion Ratio Lower Upper

178 100

179 74.2 12.2 18.4#

176 34.9 15.6 23.4#



#71

Anthracene

Concen: 1.884 ng/ul

RT: 17.74 min Scan# 2457

Delta R.T. 0.06 min

Lab File: BM016174.D

Acq: 03 Aug 2018 11:39

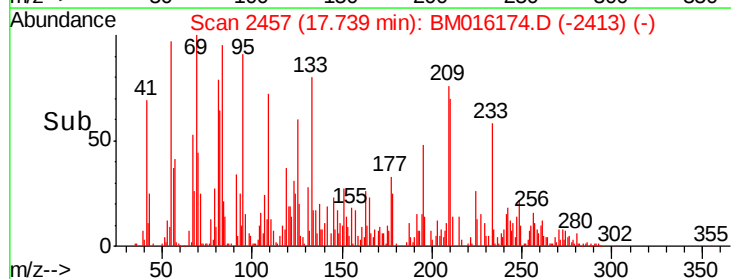
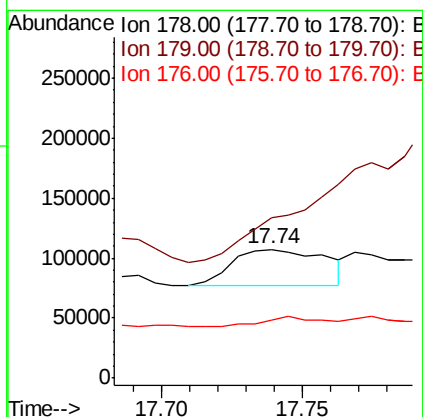
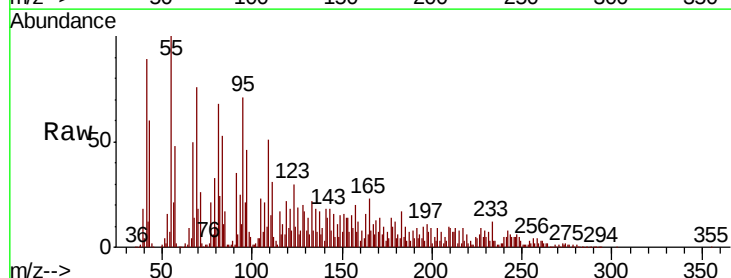
Tgt Ion:178 Resp: 70778

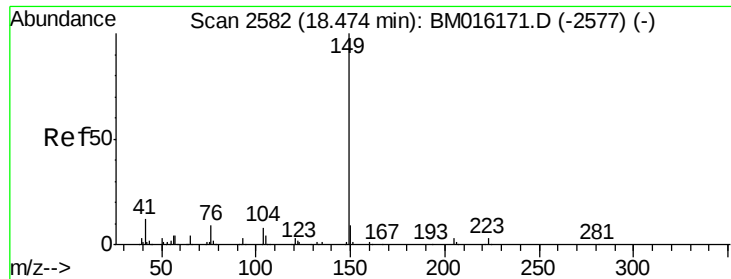
Ion Ratio Lower Upper

178 100

179 124.8 12.1 18.1#

176 44.9 14.8 22.2#





#75

Di-n-butylphthalate

Concen: 16.959 ng/ul

RT: 18.50 min Scan# 2587

Delta R.T. 0.03 min

Lab File: BM016174.D

Acq: 03 Aug 2018 11:39

Instrument :

BNA_M

ClientSampled :

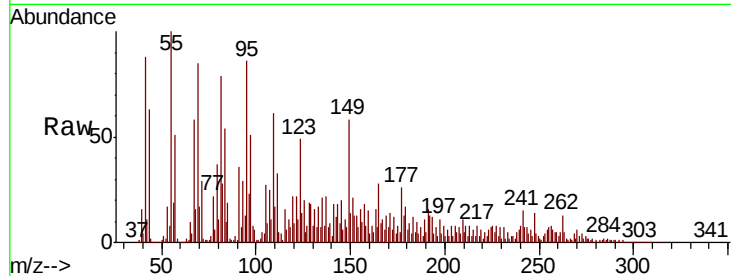
Tot Ion:149 Resp: 737853

Ion Ratio Lower Upper

149 100

150 24.5 7.4 11.0#

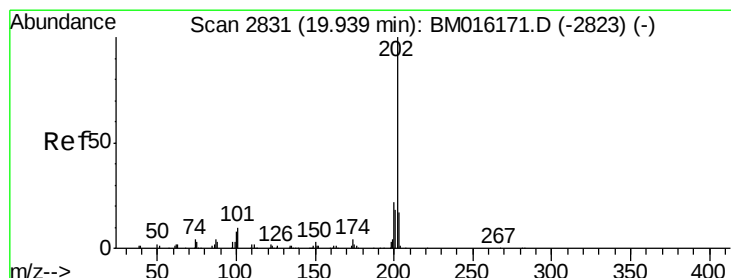
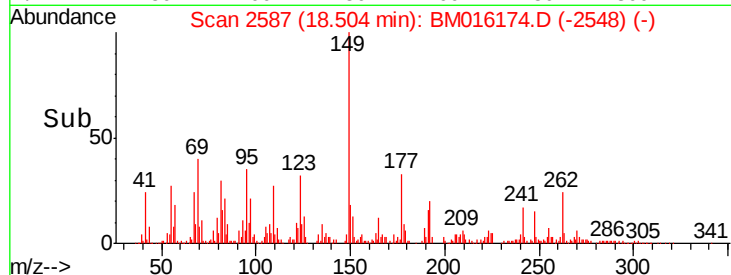
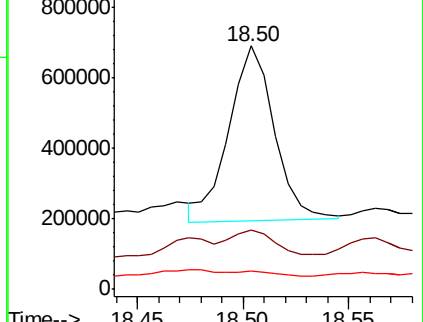
104 7.5 4.0 6.0#



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



#79

Pyrene

Concen: 2.912 ng/ul

RT: 20.06 min Scan# 2851

Delta R.T. 0.12 min

Lab File: BM016174.D

Acq: 03 Aug 2018 11:39

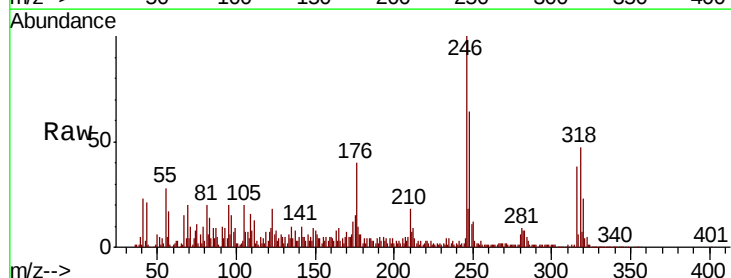
Tgt Ion:202 Resp: 35318

Ion Ratio Lower Upper

202 100

101 69.9 10.2 15.2#

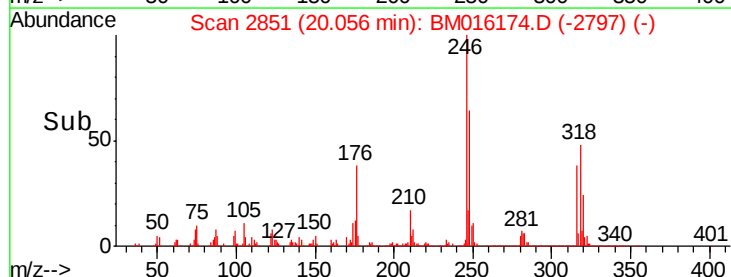
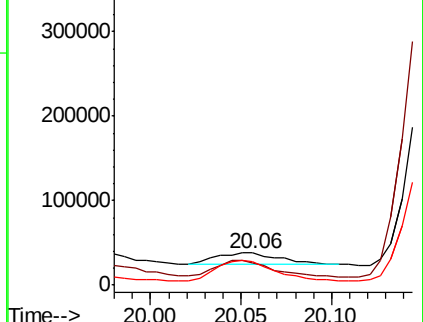
100 72.1 8.5 12.7#

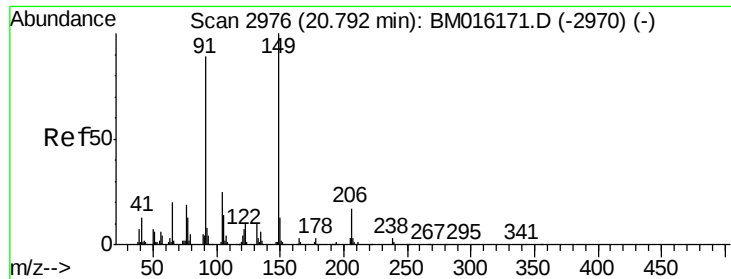


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#80

Butylbenzylphthalate

Concen: 15.562 ng/ul

RT: 20.80 min Scan# 2977

Delta R.T. 0.01 min

Lab File: BM016174.D

Acq: 03 Aug 2018 11:39

Instrument :

BNA_M

ClientSampled :

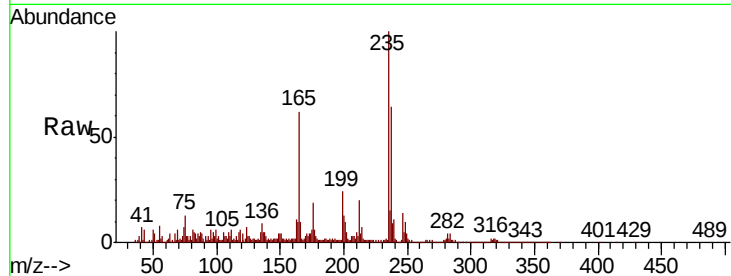
Tot Ion:149 Resp: 90786

Ion Ratio Lower Upper

149 100

91 82.8 53.4 80.2#

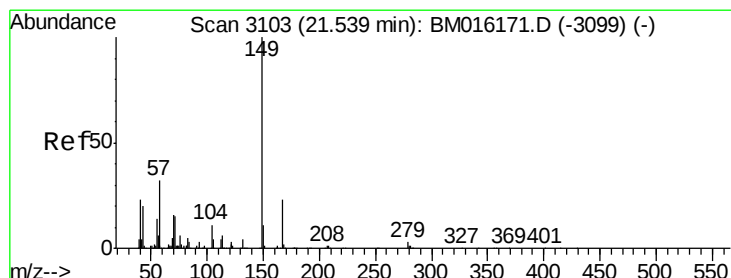
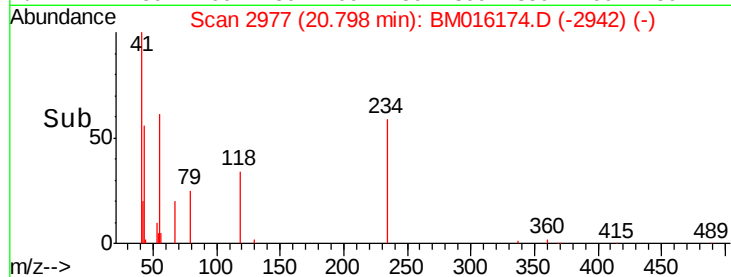
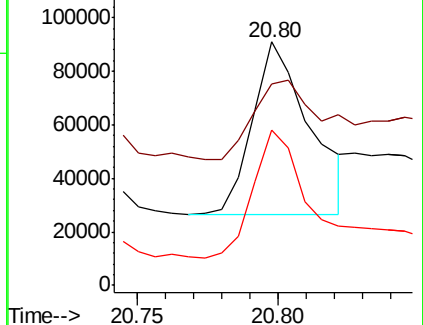
206 63.8 16.6 24.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 84.793 ng/ul

RT: 21.57 min Scan# 3108

Delta R.T. 0.03 min

Lab File: BM016174.D

Acq: 03 Aug 2018 11:39

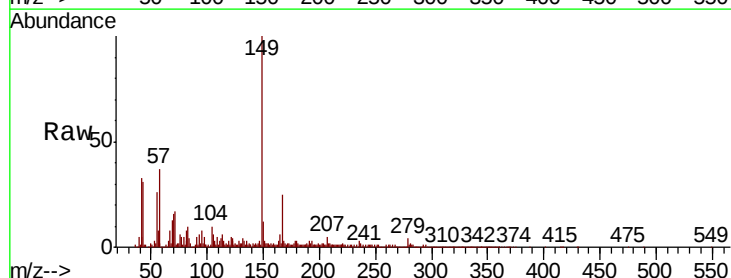
Tgt Ion:149 Resp: 725426

Ion Ratio Lower Upper

149 100

167 24.6 21.6 32.4

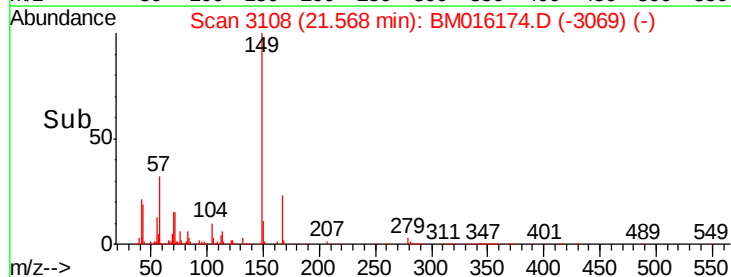
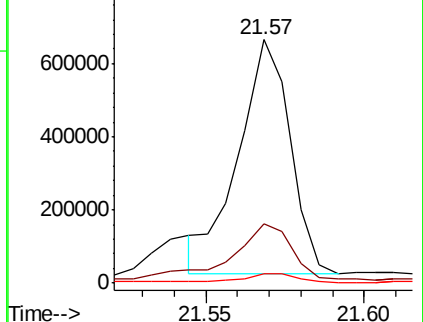
279 3.8 3.0 4.4

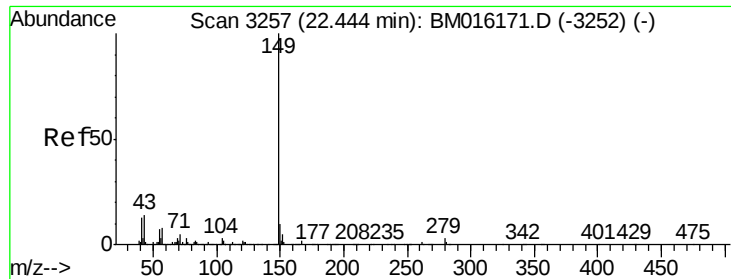


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86

Di-n-octyl phthalate

Concen: 14.075 ng/ul

RT: 22.44 min Scan# 3257

Delta R.T. 0.00 min

Lab File: BM016174.D

Acq: 03 Aug 2018 11:39

Instrument :

BNA_M

ClientSampleId :

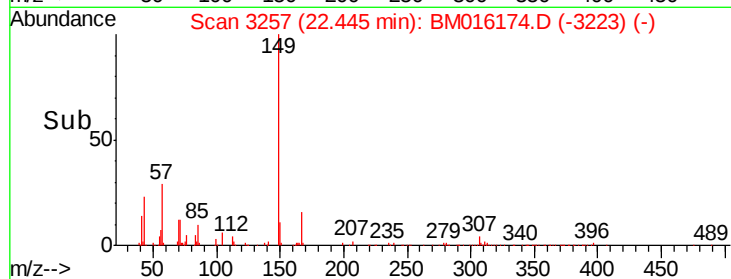
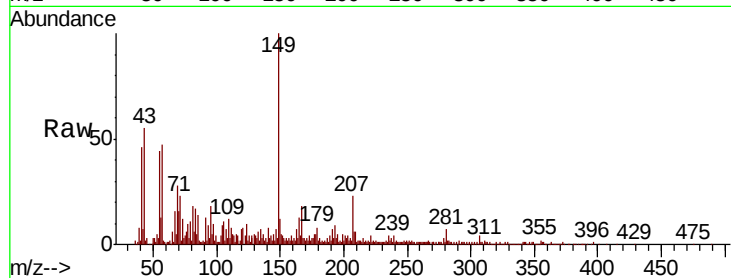
Tot Ion:149 Resp: 219233

Ion Ratio Lower Upper

149 100

167 18.4 1.2 1.8#

43 54.5 5.6 8.4#



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

