

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071116\
 Data File : BM006398.D
 Acq On : 11 Jul 2016 16:24
 Operator : UM/SJ
 Sample : H3914-21
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TT2

Quant Time: Jul 12 00:59:33 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM070216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 12 00:59:35 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	100776	20.00	ng/ul	0.00
18) Naphthalene-d8	10.41	136	408617	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.28	164	231071	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.03	188	529253	20.00	ng/ul	0.00
75) Chrysene-d12	21.23	240	596618	20.00	ng/ul	0.00
83) Perylene-d12	23.44	264	667984	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	7708	3.27	ng/uL	0.00
5) Phenol-d5	6.81	99	366298	38.82	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.97	67	222255	39.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.16	132	288544	39.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.34	113	289490	37.91	ng/ul	0.00
19) Nitrobenzene-d5	8.79	128	138214	42.45	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	157176	42.59	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.04	165	286183	42.79	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	191111	27.50	ng/ul	0.00
43) Dimethylphthalate-d6	13.70	166	889997	46.15	ng/ul	0.00
46) Acenaphthylene-d8	13.97	160	1063108	44.53	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	162543	44.47	ng/ul	0.00
57) Fluorene-d10	15.28	176	744675	44.80	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.41	200	130400	42.05	ng/ul	0.00
70) Anthracene-d10	17.13	188	1174088	46.49	ng/ul	0.00
76) Pyrene-d10	19.43	212	1346536	47.33	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.30	264	1463104	47.14	ng/ul	0.00

Target Compounds

						Qvalue
4) Benzaldehyde	6.78	77	18066	3.31	ng/ul	97
10) 2-Chlorophenol	7.20	128	276955	37.04	ng/ul	99
12) 2,2'-oxybis(1-Chloropropan	8.16	45	626605	57.92	ng/ul	98
14) Acetophenone	8.45	105	438572	37.68	ng/ul	97
17) Hexachloroethane	8.70	117	58277	19.04	ng/ul	85
20) Nitrobenzene	8.83	77	510887	60.32	ng/ul	97
21) Isophorone	9.50	82	18298	1.13	ng/ul#	73
23) 2-Nitrophenol	9.53	139	192354	48.39	ng/ul	93
27) 2,4-Dichlorophenol	10.06	162	168118	25.40	ng/ul	99
28) Naphthalene	10.46	128	352845	16.78	ng/ul	99
30) 4-Chloroaniline	10.57	127	15712	2.18	ng/ul	99
33) 4-Chloro-3-methylphenol	11.71	107	381926	47.29	ng/ul	95
36) 1,2,4,5-Tetrachlorobenzene	12.46	216	176772	23.01	ng/ul	99
38) 2,4,6-Trichlorophenol	12.70	196	182460	33.61	ng/ul	99
39) 2,4,5-Trichlorophenol	12.70	196	182460	32.19	ng/ul	100
40) 1,1'-Biphenyl	13.11	154	810610	42.54	ng/ul	99
42) 2-Nitroaniline	13.36	65	373571	65.92	ng/ul	99
45) 2,6-Dinitrotoluene	13.87	165	179085	42.63	ng/ul	98
47) Acenaphthylene	14.00	152	1273001	50.79	ng/ul	99
49) Acenaphthene	14.34	153	80932	5.08	ng/ul	98
52) 4-Nitrophenol	14.52	109	260968	71.02	ng/ul	84
53) Dibenzofuran	14.68	168	506060	22.27	ng/ul	96
54) 2,4-Dinitrotoluene	14.66	165	313250	52.78	ng/ul	96

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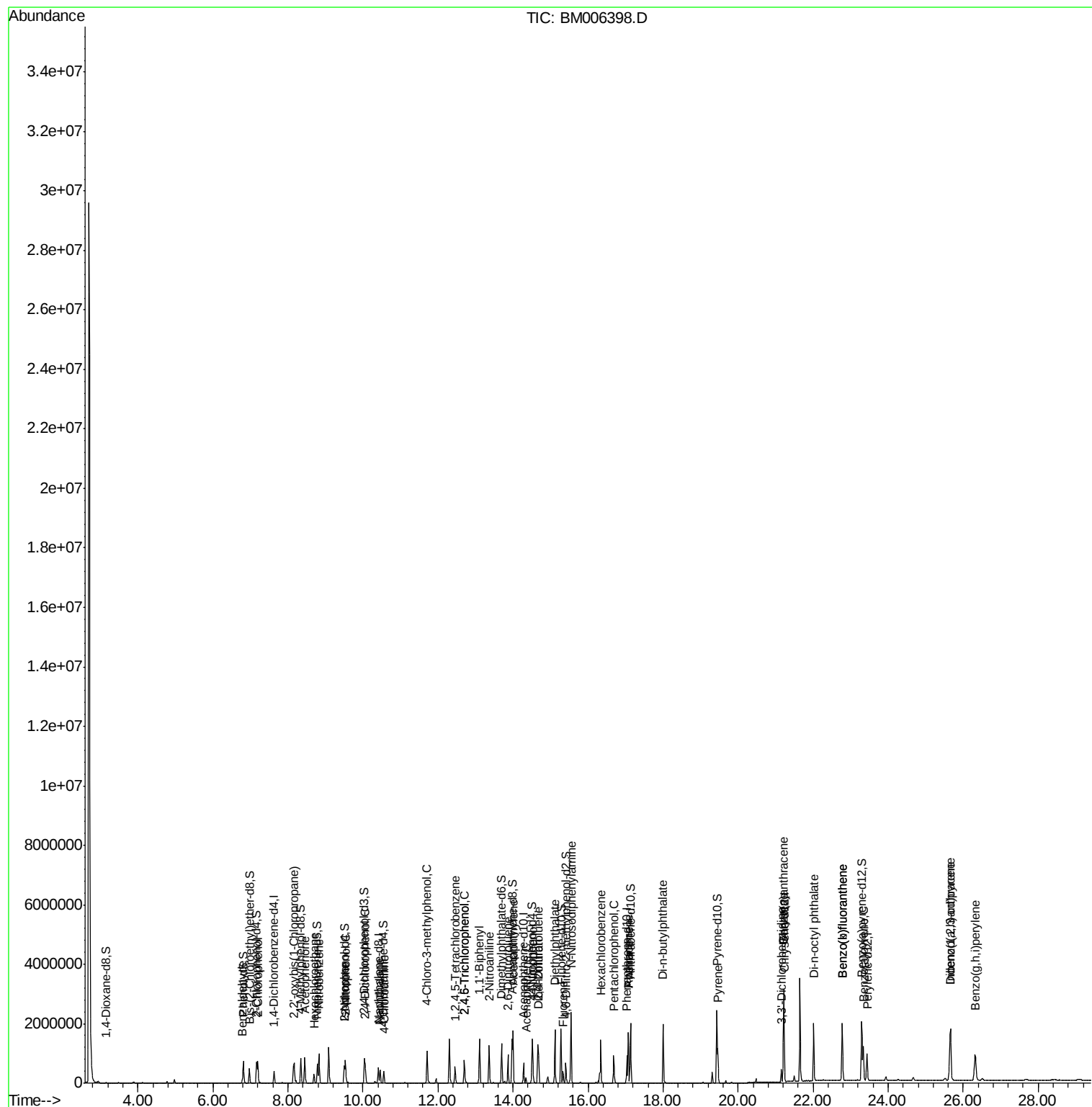
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) Diethylphthalate	15.12	149	1025012	50.66	ng/ul	98
58) Fluorene	15.33	166	176762	9.70	ng/ul	97
64) N-Nitrosodiphenylamine	15.55	169	877565	54.88	ng/ul	99
66) Hexachlorobenzene	16.34	284	290176	44.36	ng/ul	98
68) Pentachlorophenol	16.69	266	162316	46.69	ng/ul	98
69) Phenanthrene	17.07	178	1061706	35.97	ng/ul	99
71) Anthracene	17.07	178	1061706	34.82	ng/ul	99
73) Di-n-butylphthalate	18.00	149	1496904	42.62	ng/ul	99
77) Pyrene	19.46	202	690553	18.46	ng/ul	96
79) 3,3'-Dichlorobenzidine	21.15	252	131384	11.91	ng/ul	98
80) Benzo(a)anthracene	21.21	228	1604933	43.86	ng/ul	98
82) Chrysene	21.21	228	1604933	48.03	ng/ul	98
84) Di-n-octyl phthalate	22.02	149	1345518	33.91	ng/ul	98
85) Benzo(b)fluoranthene	22.78	252	1436542	36.32	ng/ul	98
86) Benzo(k)fluoranthene	22.78	252	1436542	39.04	ng/ul	98
88) Benzo(a)pyrene	23.34	252	878621	22.95	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.66	276	471234	10.76	ng/ul#	82
90) Dibenzo(a,h)anthracene	25.66	278	2010685	55.69	ng/ul	97
91) Benzo(g,h,i)perylene	26.33	276	1115500	29.53	ng/ul	99

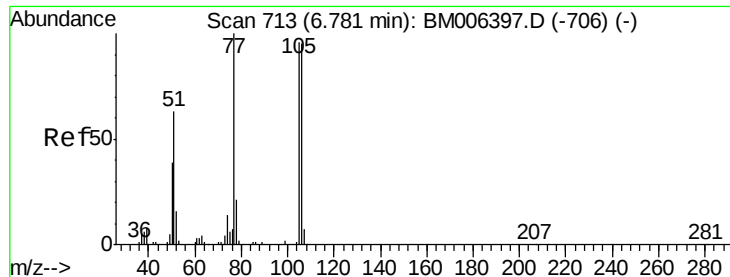
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 3.31 ng/ul

RT: 6.78 min Scan# 713

Delta R.T. 0.00 min

Lab File: BM006398.D

Acq: 11 Jul 2016 16:24

Instrument :

BNA_M

ClientSampleId :

A4TT2

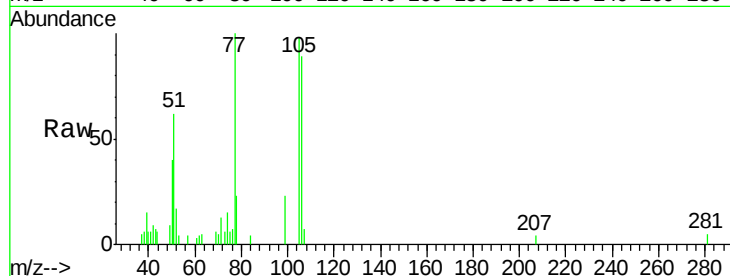
Tgt Ion: 77 Resp: 18066

Ion Ratio Lower Upper

77 100

105 98.4 74.9 112.3

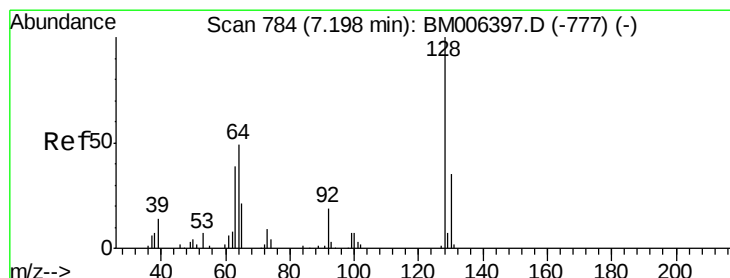
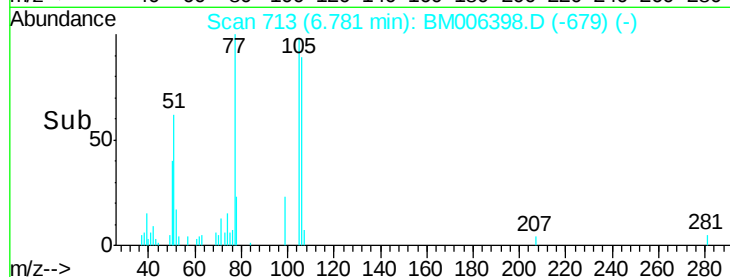
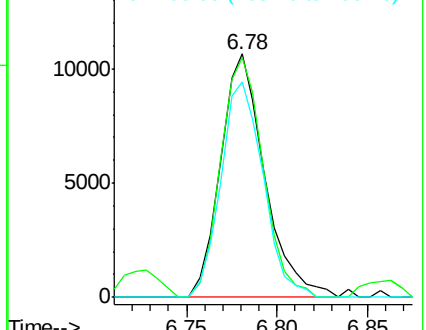
106 88.7 70.7 106.1



Abundance Ion 77.00 (76.70 to 77.70): BM006398.D (-679) (-)

Ion 105.00 (104.70 to 105.70): BM006398.D (-679) (-)

Ion 106.00 (105.70 to 106.70): BM006398.D (-679) (-)



#10

2-Chlorophenol

Concen: 37.04 ng/ul

RT: 7.20 min Scan# 784

Delta R.T. 0.00 min

Lab File: BM006398.D

Acq: 11 Jul 2016 16:24

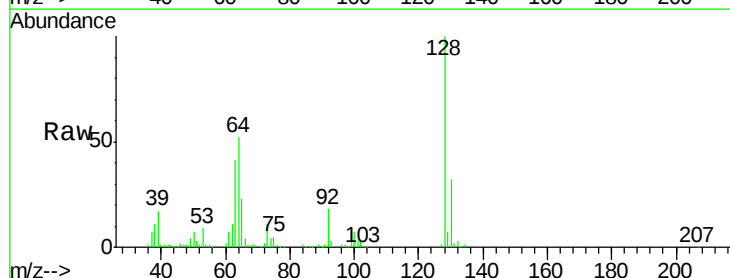
Tgt Ion: 128 Resp: 276955

Ion Ratio Lower Upper

128 100

64 52.1 42.6 63.8

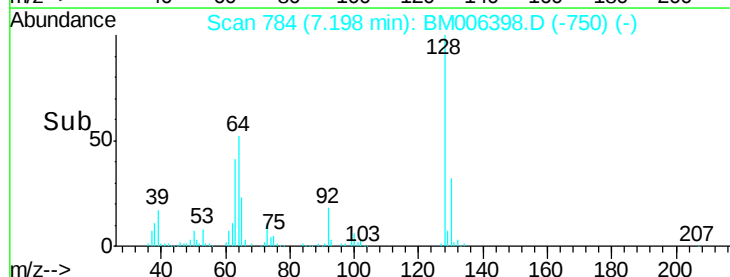
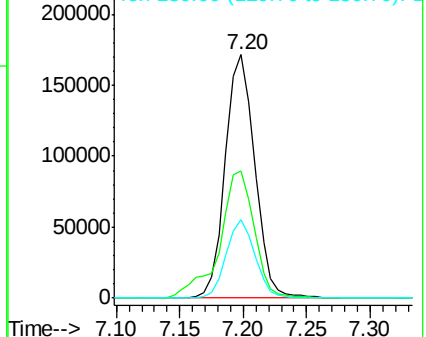
130 32.4 25.6 38.4

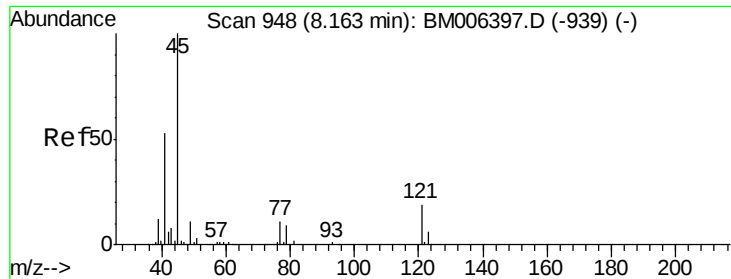


Abundance Ion 128.00 (127.70 to 128.70): BM006398.D (-750) (-)

Ion 64.00 (63.70 to 64.70): BM006398.D (-750) (-)

Ion 130.00 (129.70 to 130.70): BM006398.D (-750) (-)

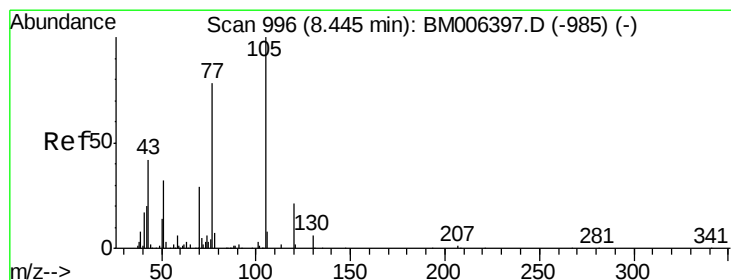
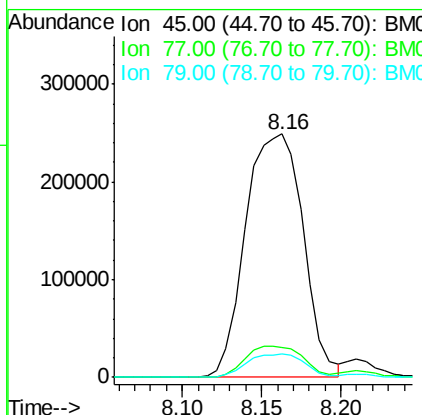
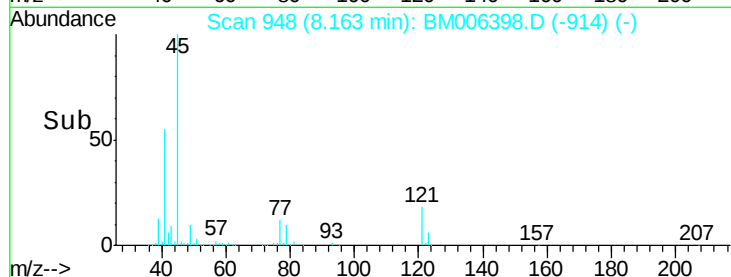
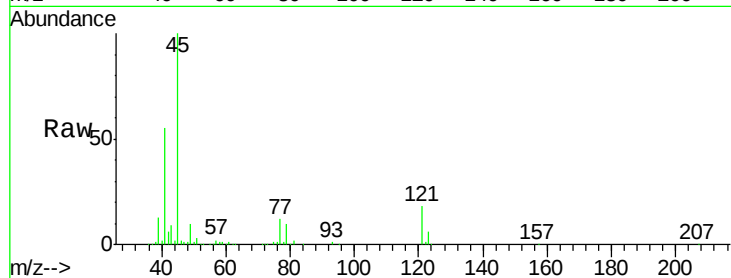




#12
2,2'-oxybis(1-Chloropropane)
Concen: 57.92 ng/ul
RT: 8.16 min Scan# 948
Delta R.T. 0.00 min
Lab File: BM006398.D
Acq: 11 Jul 2016 16:24

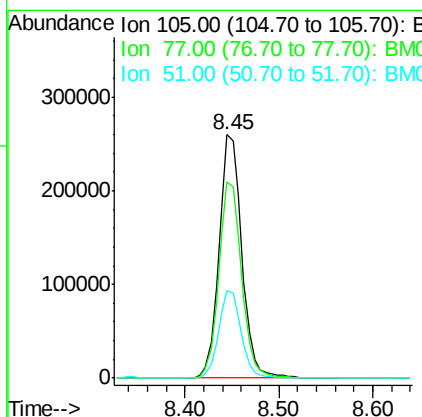
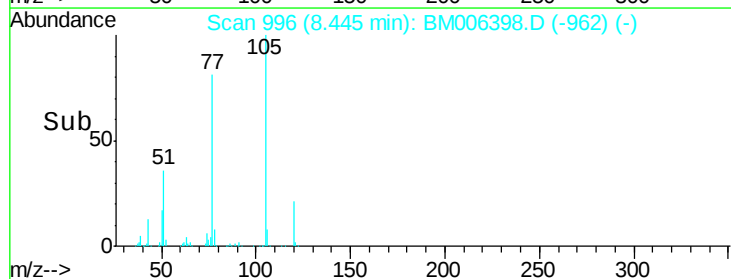
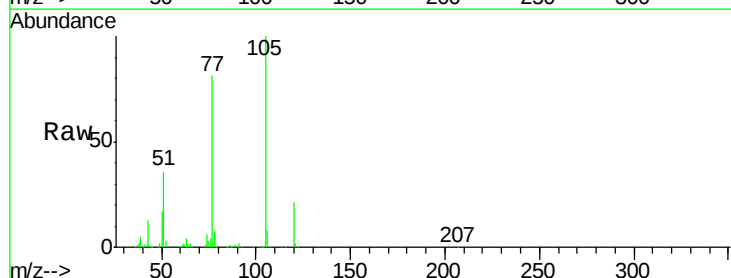
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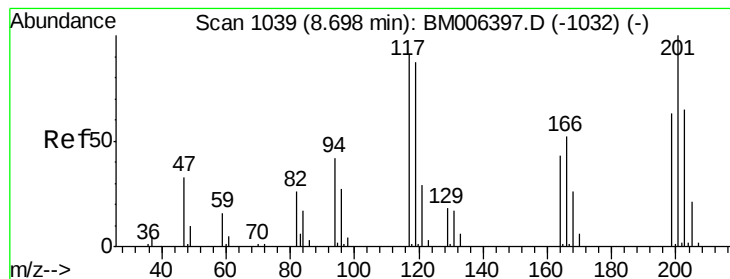
Tgt Ion: 45 Resp: 626605
Ion Ratio Lower Upper
45 100
77 12.5 11.0 16.4
79 9.9 8.2 12.4



#14
Acetophenone
Concen: 37.68 ng/ul
RT: 8.45 min Scan# 996
Delta R.T. 0.00 min
Lab File: BM006398.D
Acq: 11 Jul 2016 16:24

Tgt Ion: 105 Resp: 438572
Ion Ratio Lower Upper
105 100
77 80.8 62.8 94.2
51 35.7 26.5 39.7





#17

Hexachloroethane

Concen: 19.04 ng/ul

RT: 8.70 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BM006398.D

Acq: 11 Jul 2016 16:24

Instrument :

BNA_M

ClientSampleId :

A4TT2

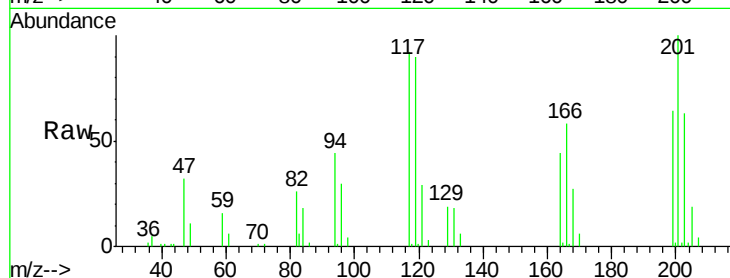
Tgt Ion:117 Resp: 58277

Ion Ratio Lower Upper

117 100

201 108.4 74.6 111.8

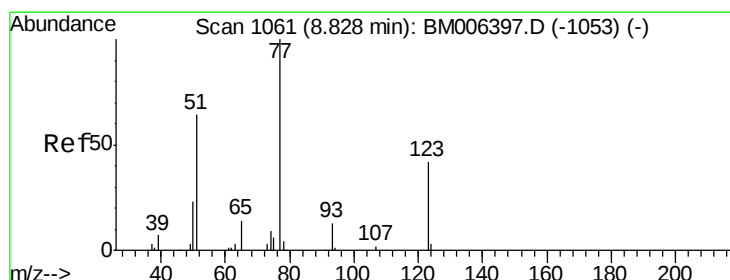
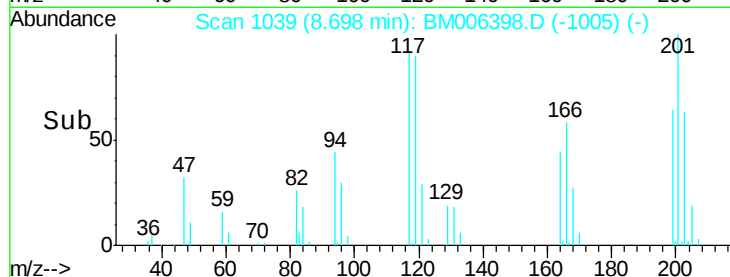
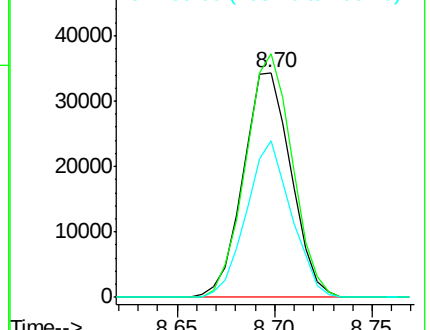
199 69.7 47.5 71.3



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#20

Nitrobenzene

Concen: 60.32 ng/ul

RT: 8.83 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BM006398.D

Acq: 11 Jul 2016 16:24

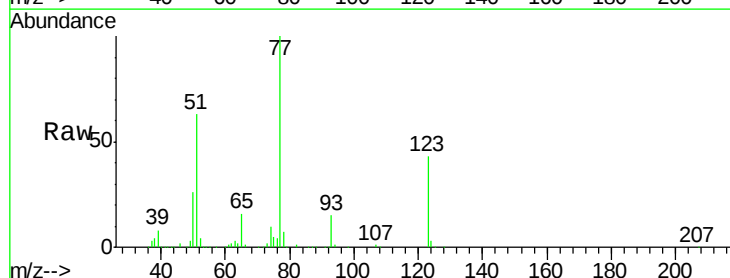
Tgt Ion: 77 Resp: 510887

Ion Ratio Lower Upper

77 100

123 43.0 33.0 49.4

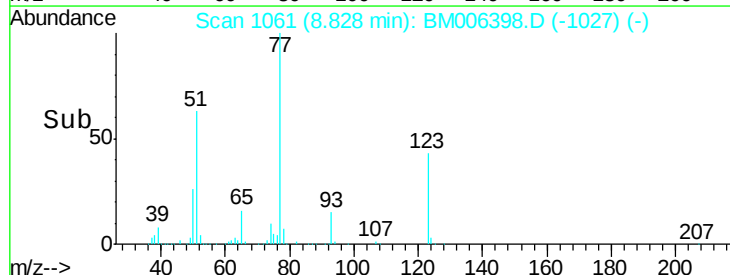
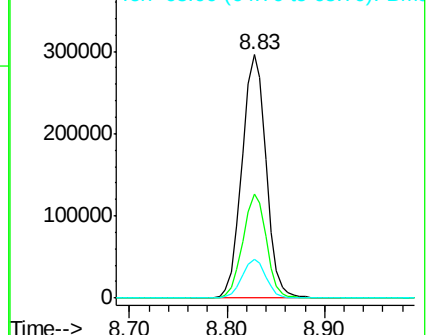
65 15.8 11.5 17.3

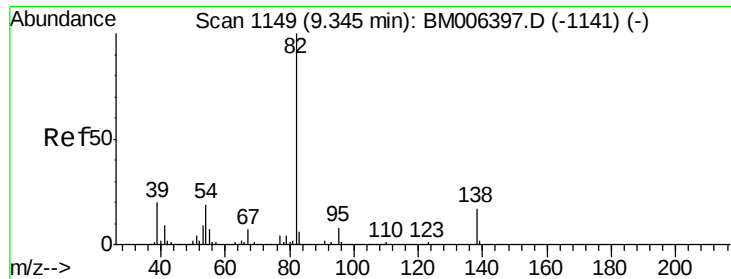


Abundance Ion 77.00 (76.70 to 77.70): BM

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BM

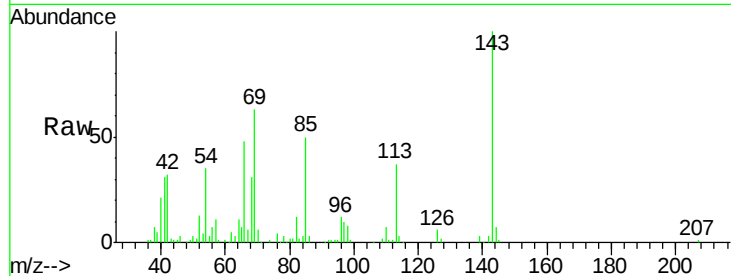




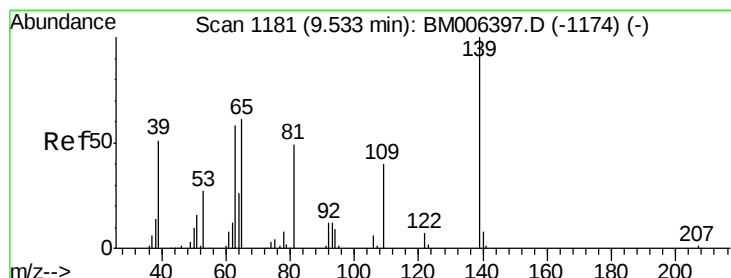
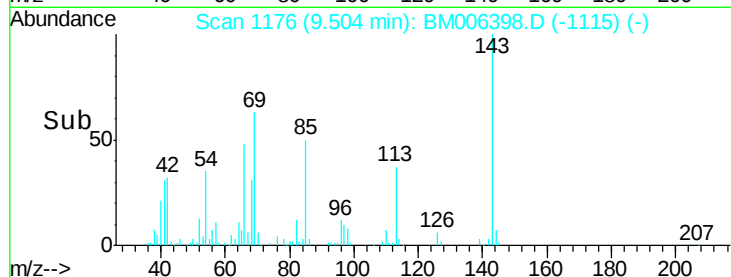
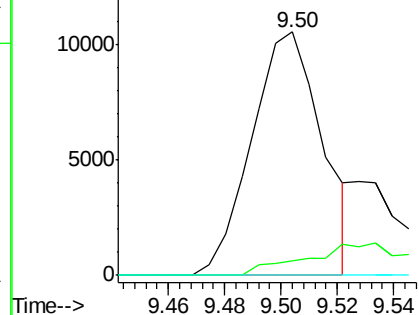
#21
Isophorone
Concen: 1.13 ng/ul
RT: 9.50 min Scan# 1176
Delta R.T. 0.16 min
Lab File: BM006398.D
Acq: 11 Jul 2016 16:24

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Tgt Ion: 82 Resp: 18298
Ion Ratio Lower Upper
82 100
95 6.2 6.0 9.0
138 0.0 13.0 19.4#

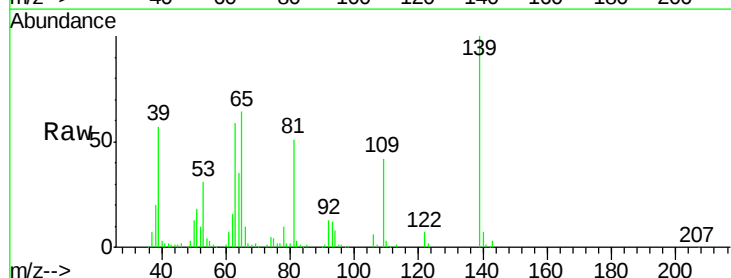


Abundance Ion 82.00 (81.70 to 82.70): BM006397.D (-1141) (-)
Ion 95.00 (94.70 to 95.70): BM006397.D (-1141) (-)
Ion 138.00 (137.70 to 138.70): BM006397.D (-1141) (-)

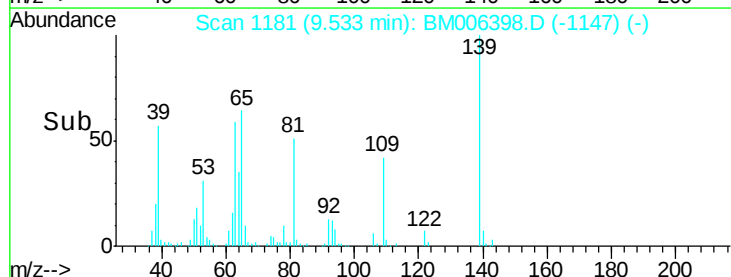
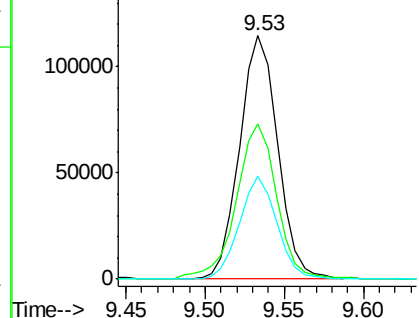


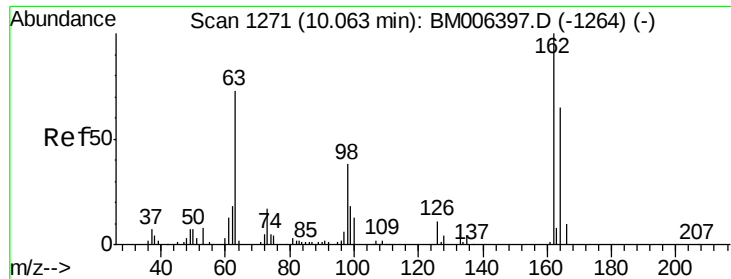
#23
2-Nitrophenol
Concen: 48.39 ng/ul
RT: 9.53 min Scan# 1181
Delta R.T. 0.00 min
Lab File: BM006398.D
Acq: 11 Jul 2016 16:24

Tgt Ion: 139 Resp: 192354
Ion Ratio Lower Upper
139 100
65 64.0 47.2 70.8
109 42.3 30.2 45.2



Abundance Ion 139.00 (138.70 to 139.70): BM006397.D (-1174) (-)
Ion 65.00 (64.70 to 65.70): BM006397.D (-1174) (-)
Ion 109.00 (108.70 to 109.70): BM006397.D (-1174) (-)

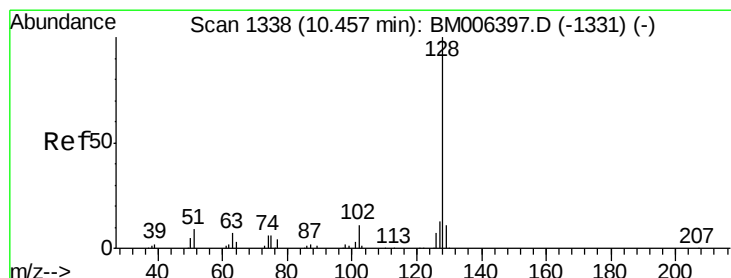
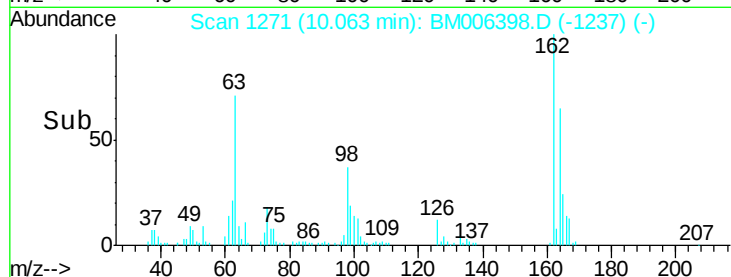
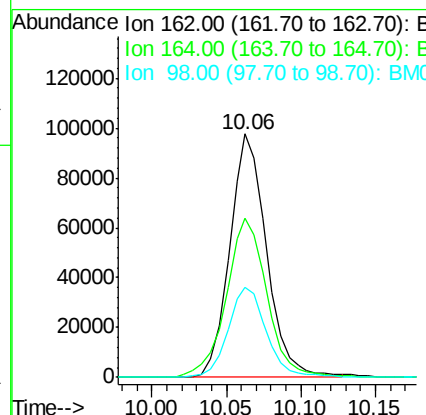
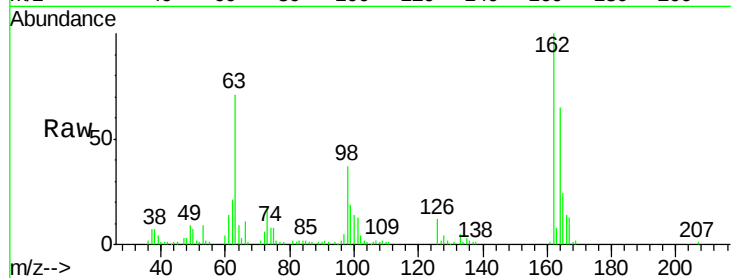




#27
2,4-Dichlorophenol
Concen: 25.40 ng/ul
RT: 10.06 min Scan# 1271
Delta R.T. 0.00 min
Lab File: BM006398.D
Acq: 11 Jul 2016 16:24

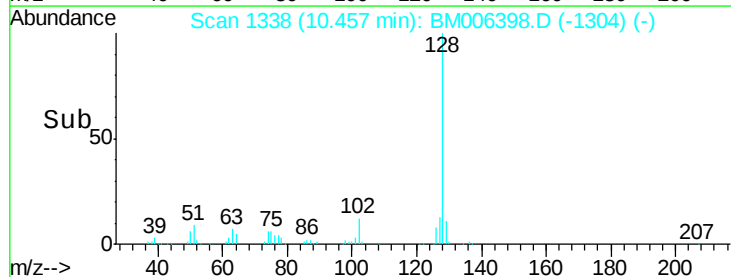
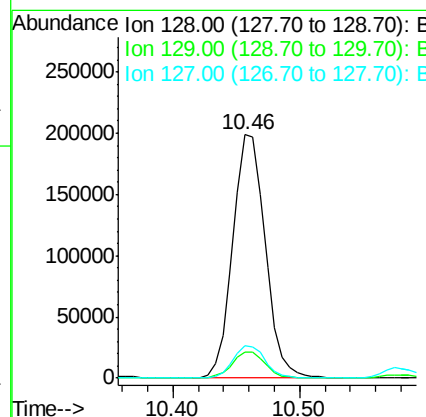
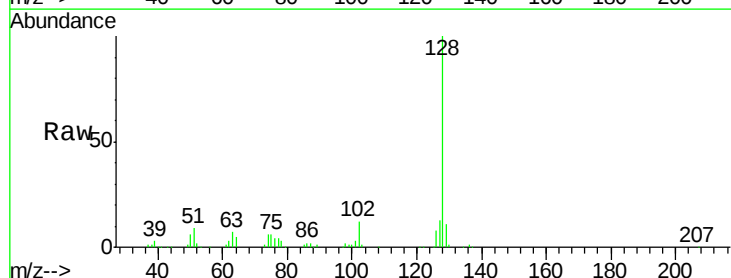
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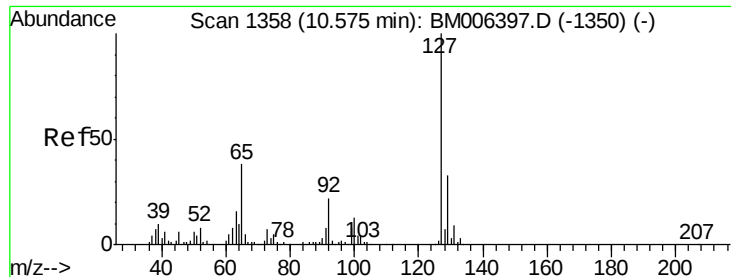
Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.1	51.6	77.4
98	37.2	30.3	45.5



#28
Naphthalene
Concen: 16.78 ng/ul
RT: 10.46 min Scan# 1338
Delta R.T. 0.00 min
Lab File: BM006398.D
Acq: 11 Jul 2016 16:24

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.3	10.9	16.3

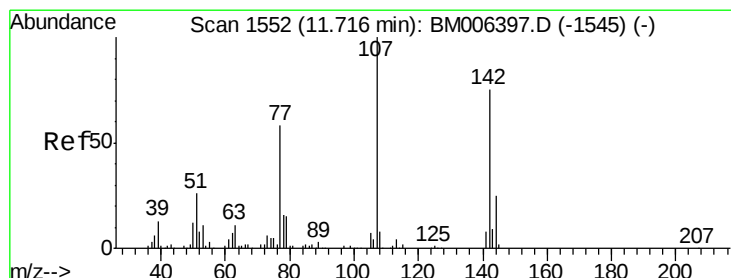
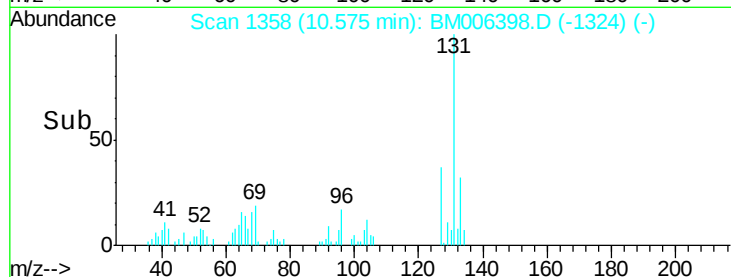
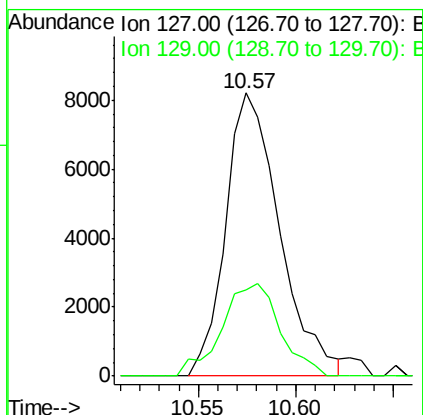
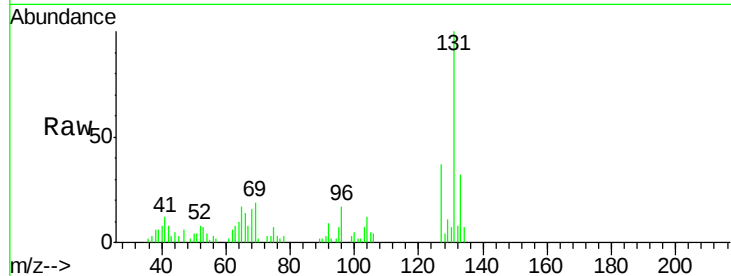




#30
4-Chloroaniline
Concen: 2.18 ng/ul
RT: 10.57 min Scan# 1358
Delta R.T. 0.00 min
Lab File: BM006398.D
Acq: 11 Jul 2016 16:24

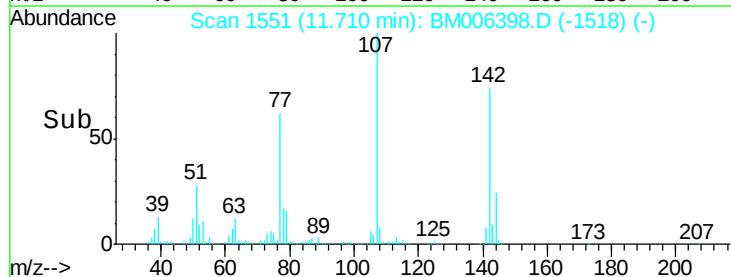
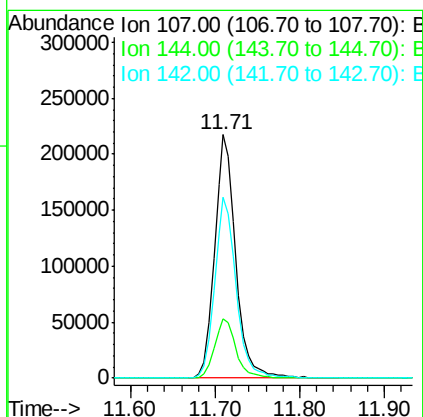
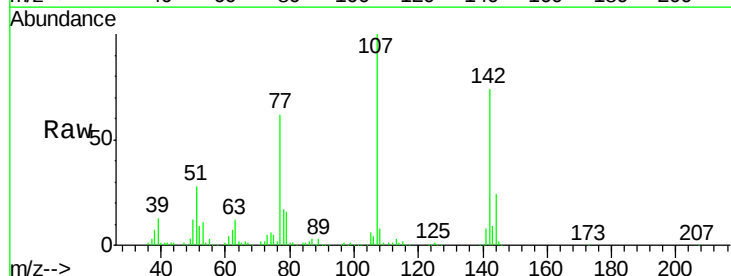
Instrument :
BNA_M
ClientSampleId :
A4TT2

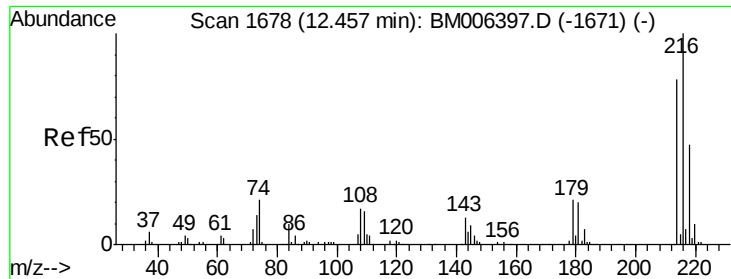
Tgt Ion:127 Resp: 15712
Ion Ratio Lower Upper
127 100
129 30.3 24.6 37.0



#33
4-Chloro-3-methylphenol
Concen: 47.29 ng/ul
RT: 11.71 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BM006398.D
Acq: 11 Jul 2016 16:24

Tgt Ion:107 Resp: 381926
Ion Ratio Lower Upper
107 100
144 24.2 20.2 30.4
142 74.4 63.4 95.2

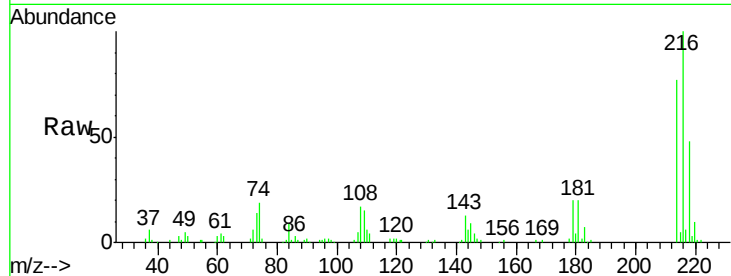




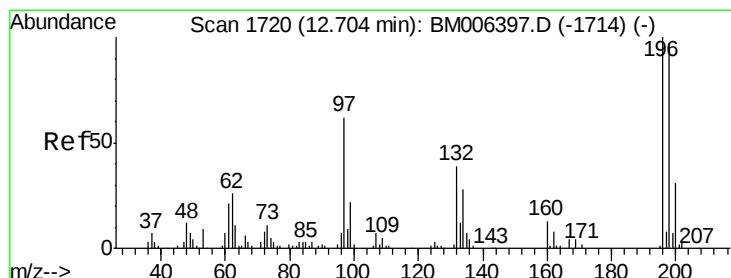
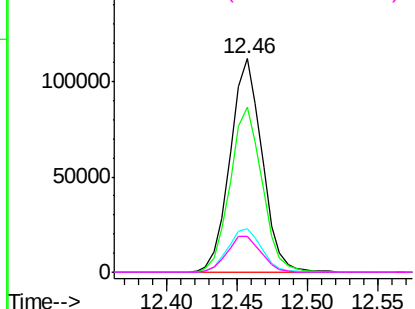
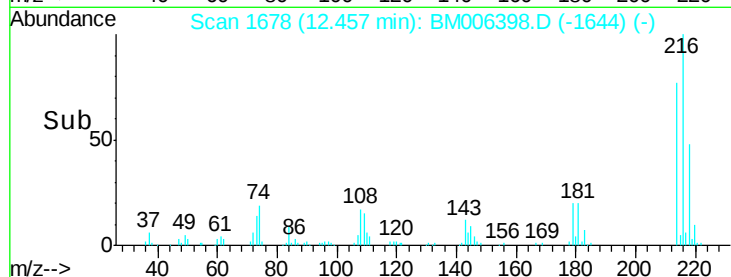
#36
 1,2,4,5-Tetrachlorobenzene
 Concen: 23.01 ng/ul
 RT: 12.46 min Scan# 1678
 Delta R.T. 0.00 min
 Lab File: BM006398.D
 Acq: 11 Jul 2016 16:24

Instrument :
 BNA_M
 ClientSampleId :
 A4TT2

Tgt Ion:	216	Resp:	176772
Ion	Ratio	Lower	Upper
216	100		
214	77.4	62.4	93.6
179	20.3	16.8	25.2
108	16.9	15.0	22.4

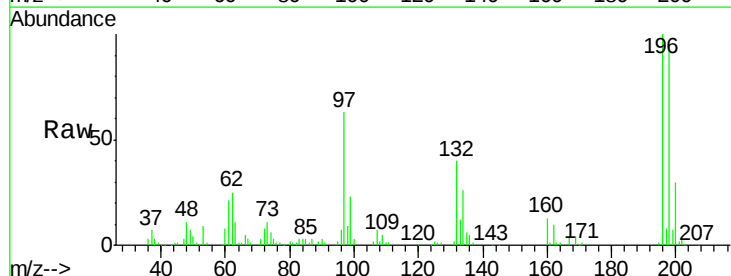


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

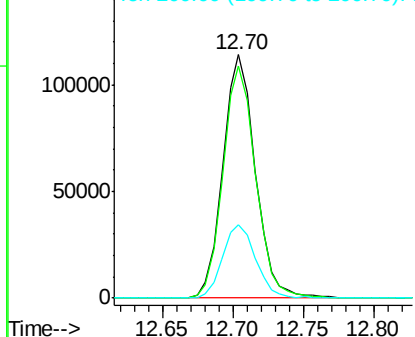
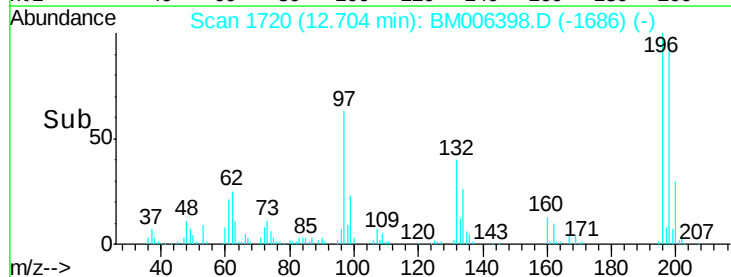


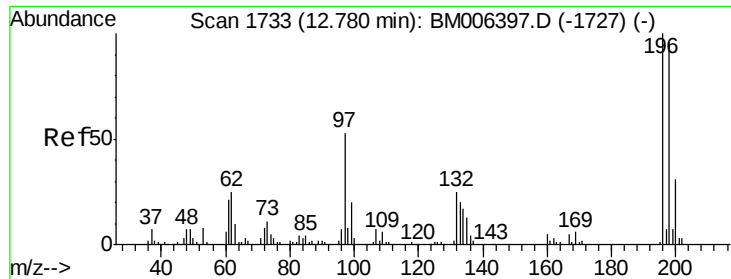
#38
 2,4,6-Trichlorophenol
 Concen: 33.61 ng/ul
 RT: 12.70 min Scan# 1720
 Delta R.T. 0.00 min
 Lab File: BM006398.D
 Acq: 11 Jul 2016 16:24

Tgt Ion:	196	Resp:	182460
Ion	Ratio	Lower	Upper
196	100		
198	95.5	75.9	113.9
200	30.3	24.8	37.2



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

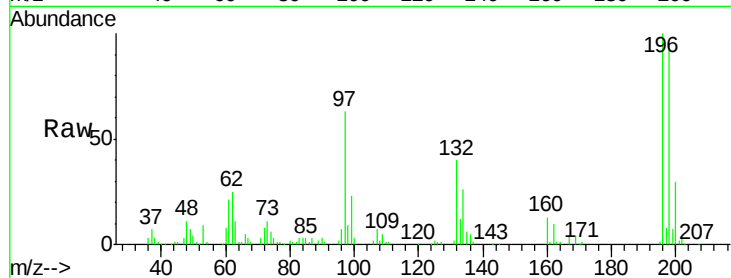




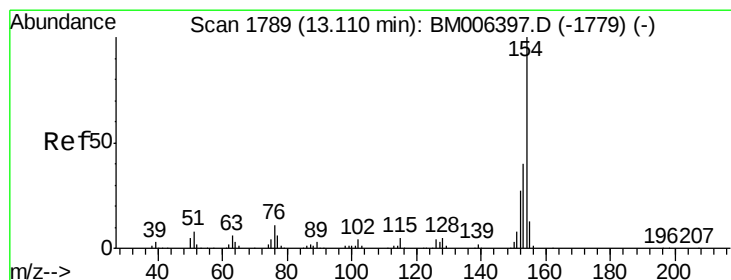
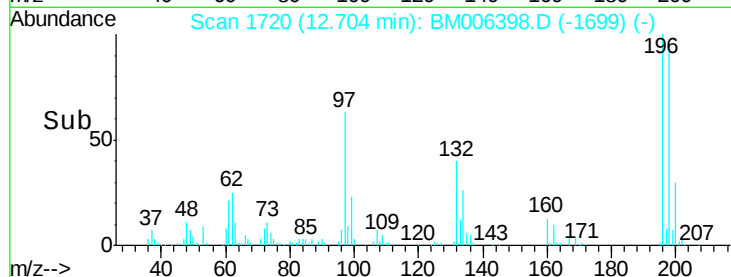
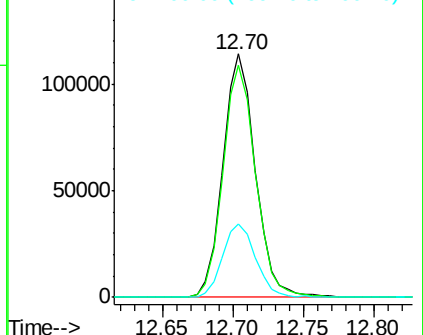
#39
 2,4,5-Trichlorophenol
 Concen: 32.19 ng/ul
 RT: 12.70 min Scan# 1720
 Delta R.T. -0.08 min
 Lab File: BM006398.D
 Acq: 11 Jul 2016 16:24

Instrument :
 BNA_M
 ClientSampleId :
 A4TT2

Tgt Ion:196 Resp: 182460
 Ion Ratio Lower Upper
 196 100
 198 95.5 76.3 114.5
 200 30.3 23.8 35.8

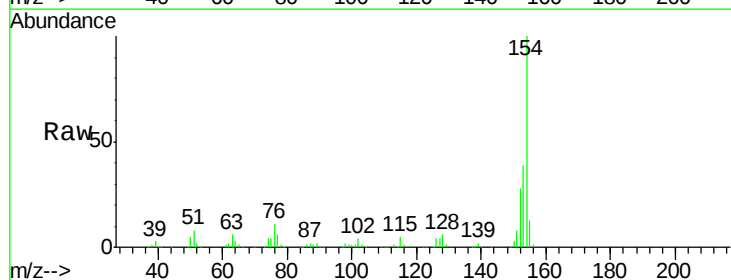


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

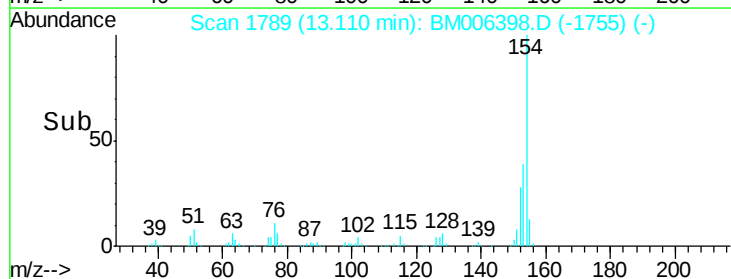
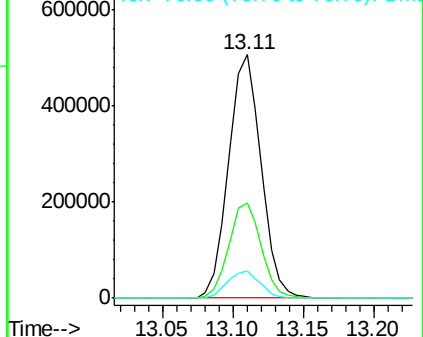


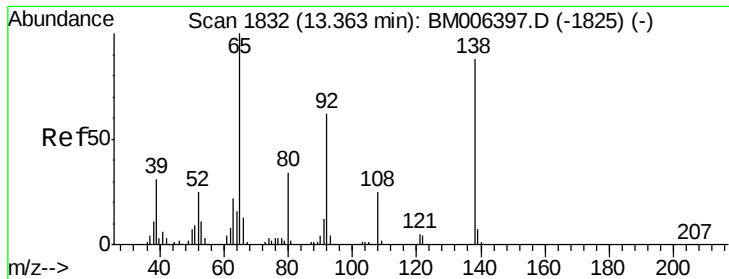
#40
 1,1'-Biphenyl
 Concen: 42.54 ng/ul
 RT: 13.11 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: BM006398.D
 Acq: 11 Jul 2016 16:24

Tgt Ion:154 Resp: 810610
 Ion Ratio Lower Upper
 154 100
 153 39.3 31.4 47.2
 76 11.2 10.4 15.6



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM





#42

2-Nitroaniline

Concen: 65.92 ng/ul

RT: 13.36 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BM006398.D

Acq: 11 Jul 2016 16:24

Instrument :

BNA_M

ClientSampleId :

A4TT2

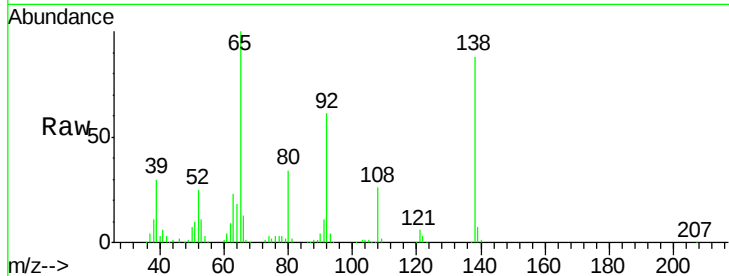
Tgt Ion: 65 Resp: 373571

Ion Ratio Lower Upper

65 100

92 61.1 49.2 73.8

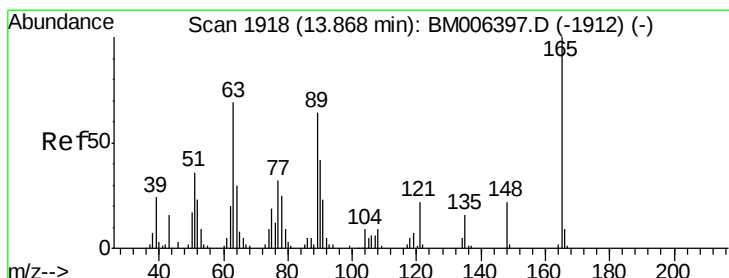
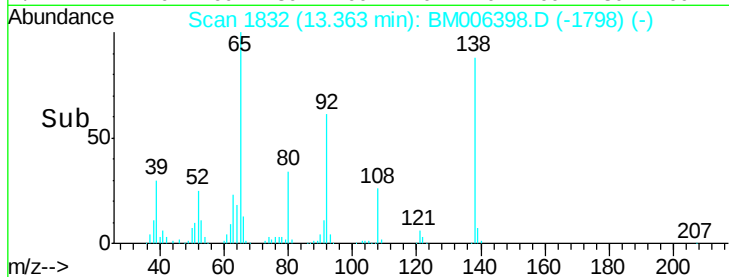
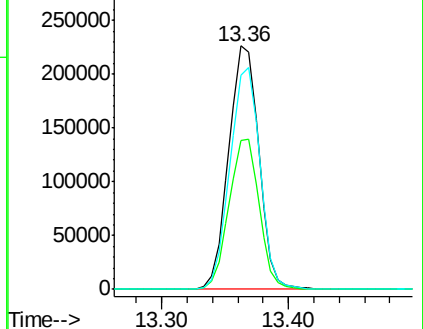
138 88.2 71.5 107.3



Abundance Ion 65.00 (64.70 to 65.70): BM006398.D (-1798) (-)

Ion 92.00 (91.70 to 92.70): BM006398.D (-1798) (-)

Ion 138.00 (137.70 to 138.70): BM006398.D (-1798) (-)



#45

2,6-Dinitrotoluene

Concen: 42.63 ng/ul

RT: 13.87 min Scan# 1918

Delta R.T. 0.00 min

Lab File: BM006398.D

Acq: 11 Jul 2016 16:24

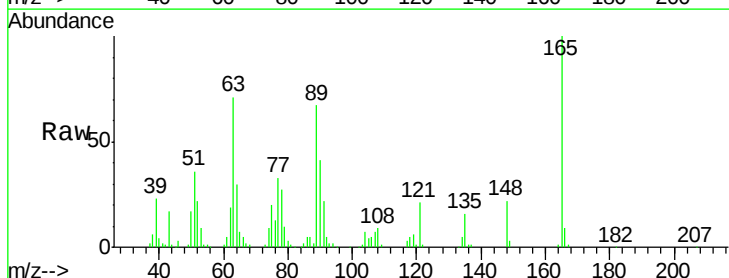
Tgt Ion: 165 Resp: 179085

Ion Ratio Lower Upper

165 100

89 66.6 52.1 78.1

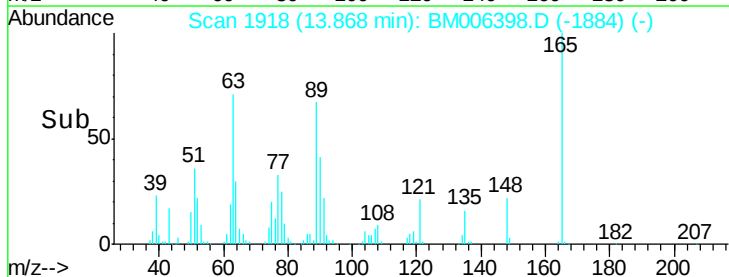
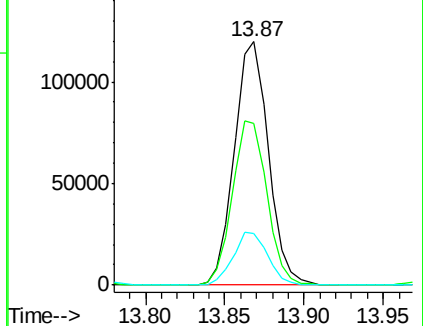
121 21.0 17.3 25.9

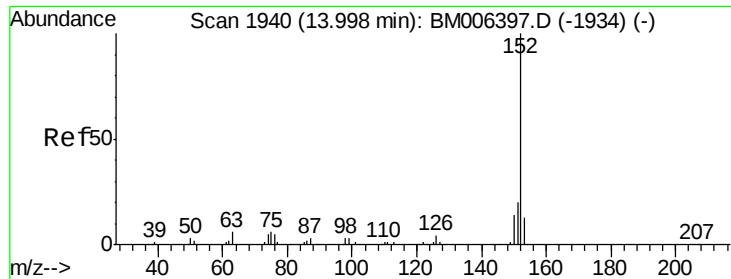


Abundance Ion 165.00 (164.70 to 165.70): BM006398.D (-1884) (-)

Ion 89.00 (88.70 to 89.70): BM006398.D (-1884) (-)

Ion 121.00 (120.70 to 121.70): BM006398.D (-1884) (-)

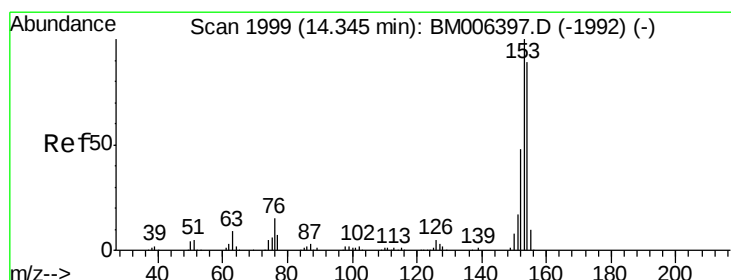
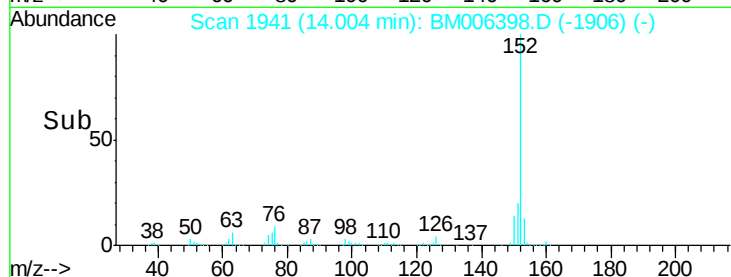
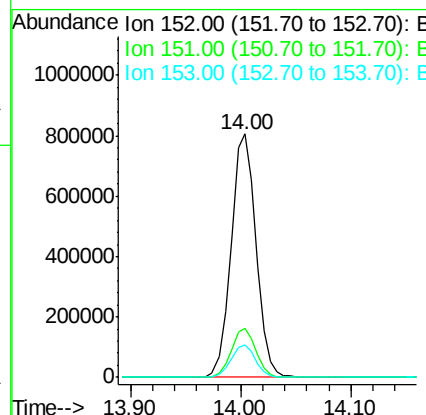
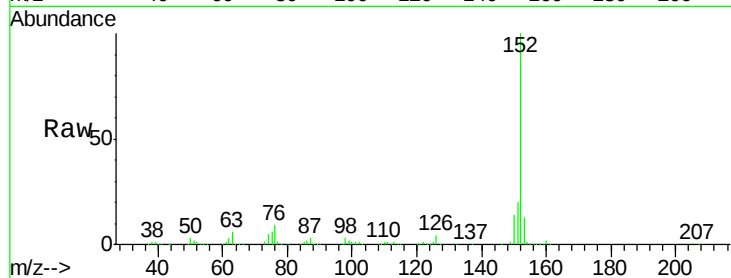




#47
Acenaphthylene
Concen: 50.79 ng/ul
RT: 14.00 min Scan# 1941
Delta R.T. 0.01 min
Lab File: BM006398.D
Acq: 11 Jul 2016 16:24

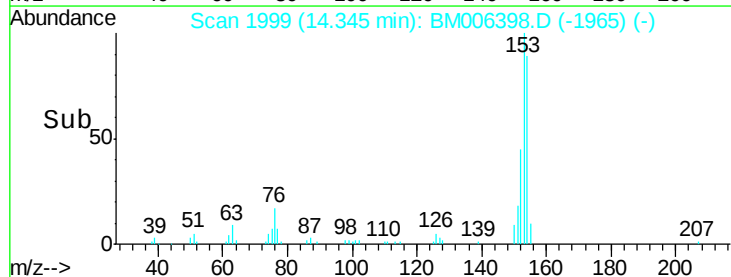
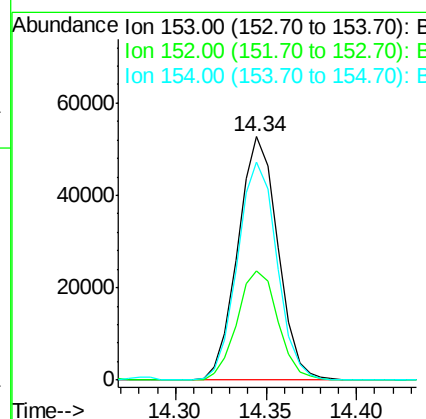
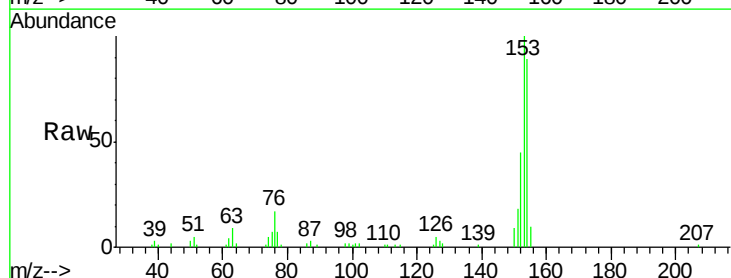
Instrument :
BNA_M
ClientSampleId :
A4TT2

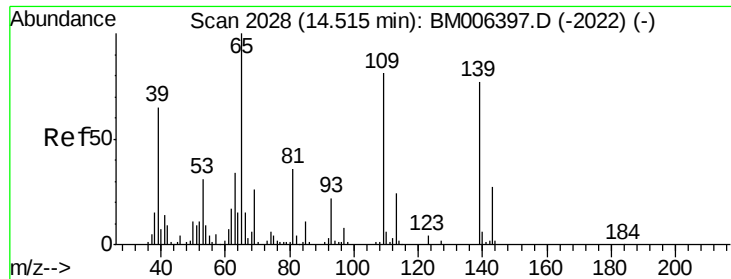
Tgt Ion:152 Resp: 1273001
Ion Ratio Lower Upper
152 100
151 20.1 15.6 23.4
153 13.2 10.3 15.5



#49
Acenaphthene
Concen: 5.08 ng/ul
RT: 14.34 min Scan# 1999
Delta R.T. 0.00 min
Lab File: BM006398.D
Acq: 11 Jul 2016 16:24

Tgt Ion:153 Resp: 80932
Ion Ratio Lower Upper
153 100
152 45.0 37.7 56.5
154 89.4 70.0 105.0

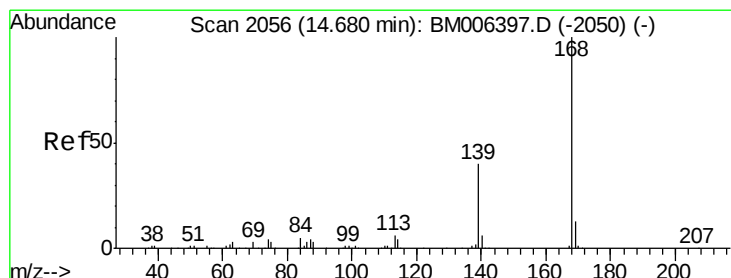
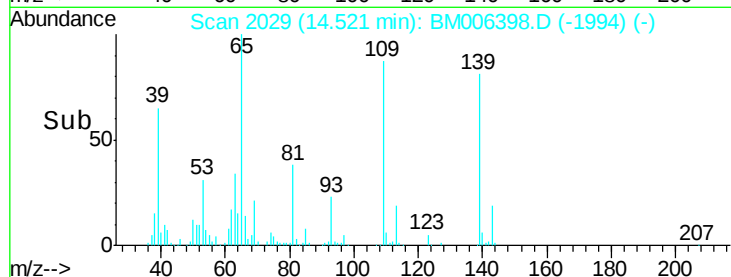
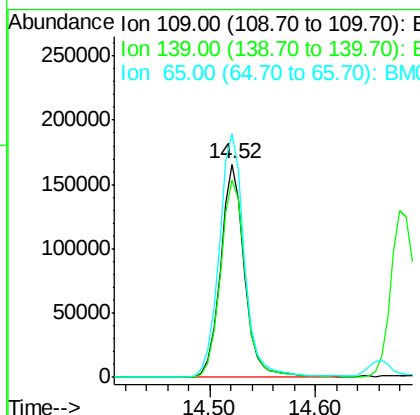
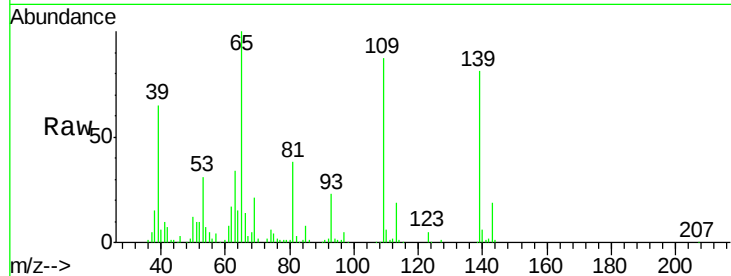




#52
4-Nitrophenol
Concen: 71.02 ng/ul
RT: 14.52 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BM006398.D
Acq: 11 Jul 2016 16:24

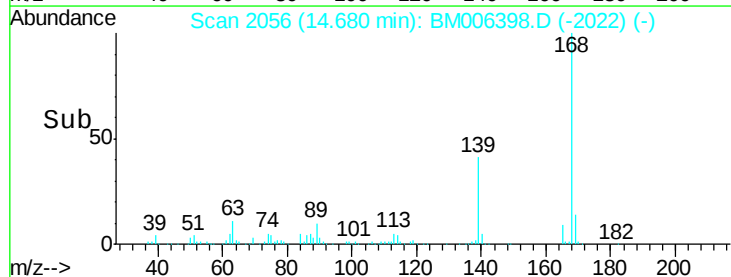
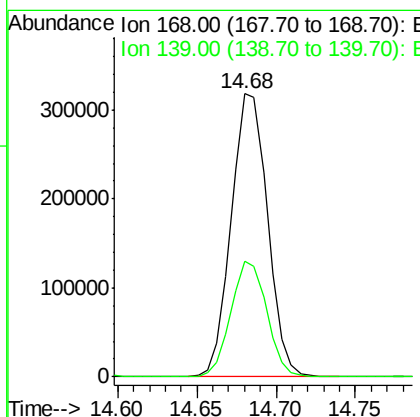
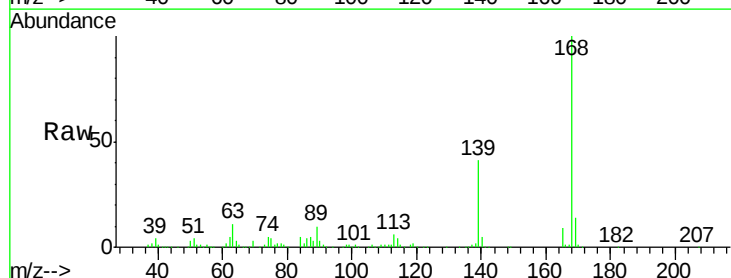
Instrument :
BNA_M
ClientSampleId :
A4TT2

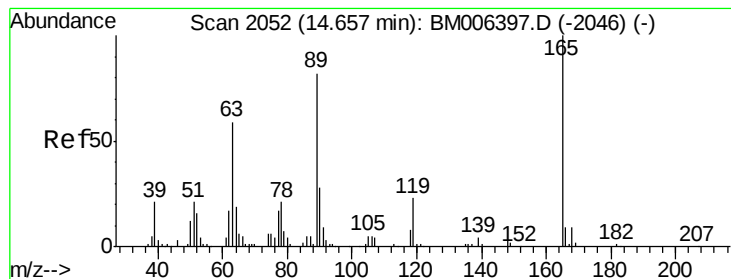
Tgt Ion:109 Resp: 260968
Ion Ratio Lower Upper
109 100
139 92.6 87.8 131.8
65 114.3 105.7 158.5



#53
Dibenzofuran
Concen: 22.27 ng/ul
RT: 14.68 min Scan# 2056
Delta R.T. 0.00 min
Lab File: BM006398.D
Acq: 11 Jul 2016 16:24

Tgt Ion:168 Resp: 506060
Ion Ratio Lower Upper
168 100
139 40.8 30.6 46.0





#54

2,4-Dinitrotoluene

Concen: 52.78 ng/ul

RT: 14.66 min Scan# 2053

Delta R.T. 0.01 min

Lab File: BM006398.D

Acq: 11 Jul 2016 16:24

Instrument :

BNA_M

ClientSampleId :

A4TT2

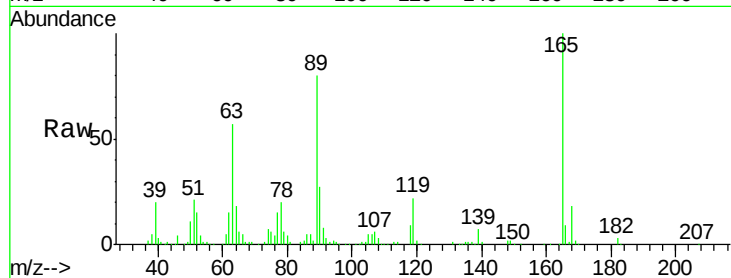
Tgt Ion:165 Resp: 313250

Ion Ratio Lower Upper

165 100

63 57.4 43.7 65.5

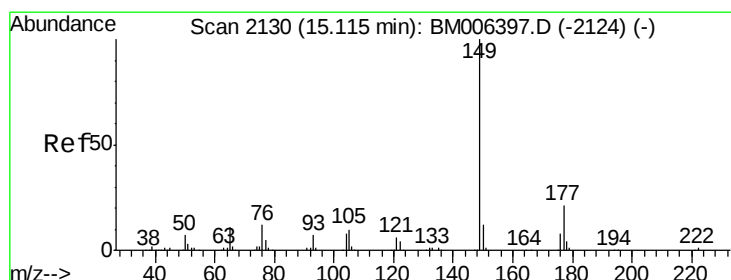
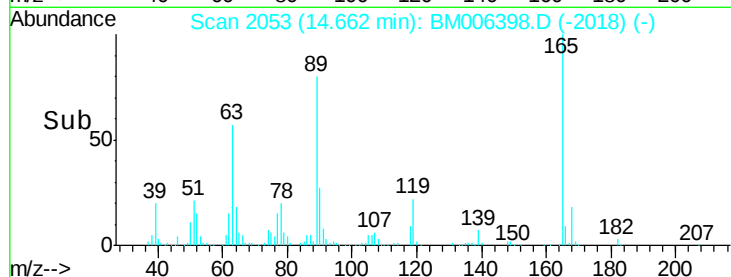
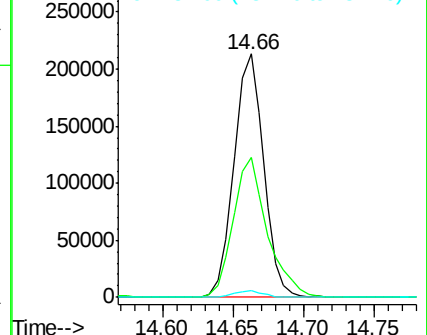
182 2.6 2.1 3.1



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 182.00 (181.70 to 182.70): E



#56

Diethylphthalate

Concen: 50.66 ng/ul

RT: 15.12 min Scan# 2130

Delta R.T. 0.00 min

Lab File: BM006398.D

Acq: 11 Jul 2016 16:24

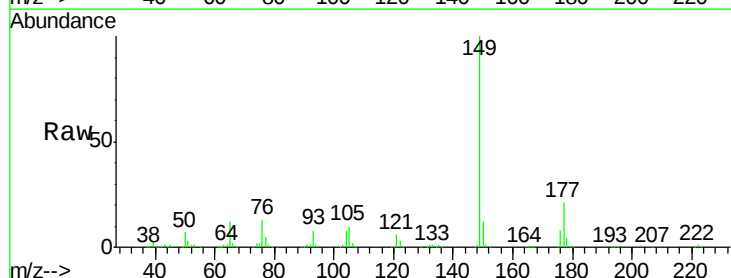
Tgt Ion:149 Resp: 1025012

Ion Ratio Lower Upper

149 100

177 20.9 17.7 26.5

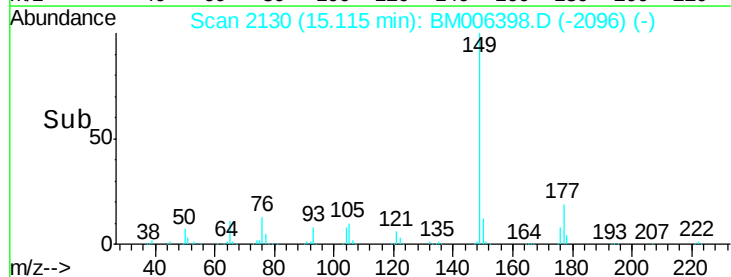
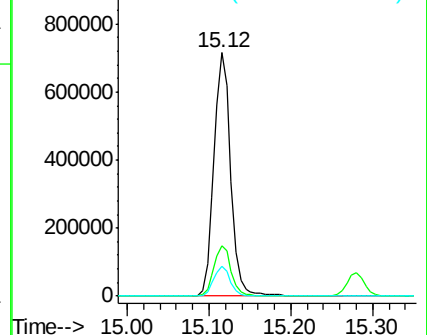
150 12.2 9.8 14.8

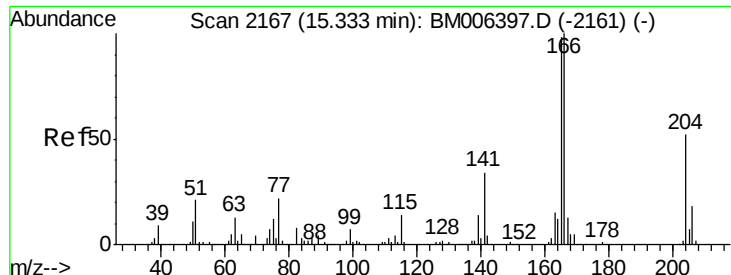


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#58

Fluorene

Concen: 9.70 ng/ul

RT: 15.33 min Scan# 2167

Delta R.T. 0.00 min

Lab File: BM006398.D

Acq: 11 Jul 2016 16:24

Instrument :

BNA_M

ClientSampleId :

A4TT2

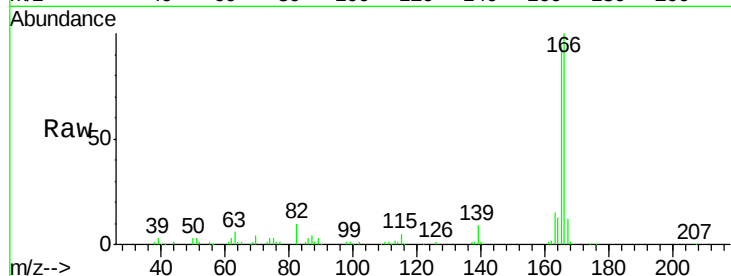
Tgt Ion:166 Resp: 176762

Ion Ratio Lower Upper

166 100

165 94.3 77.5 116.3

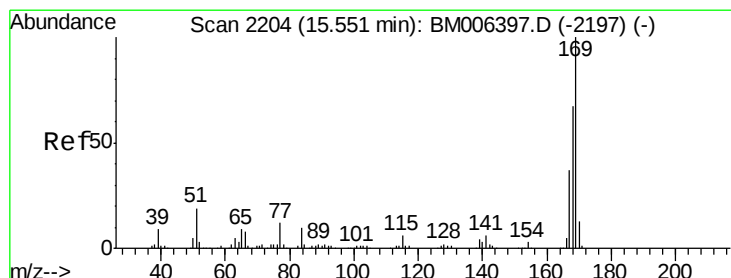
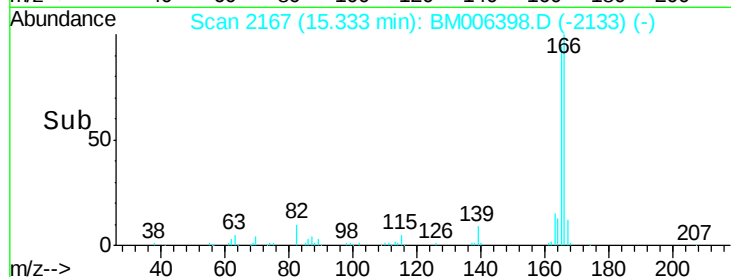
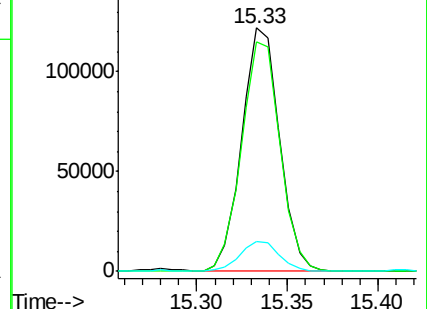
167 12.2 10.8 16.2



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



#64

N-Nitrosodiphenylamine

Concen: 54.88 ng/ul

RT: 15.55 min Scan# 2204

Delta R.T. 0.00 min

Lab File: BM006398.D

Acq: 11 Jul 2016 16:24

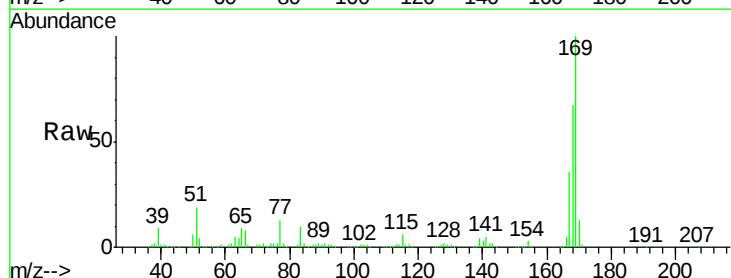
Tgt Ion:169 Resp: 877565

Ion Ratio Lower Upper

169 100

168 67.1 52.9 79.3

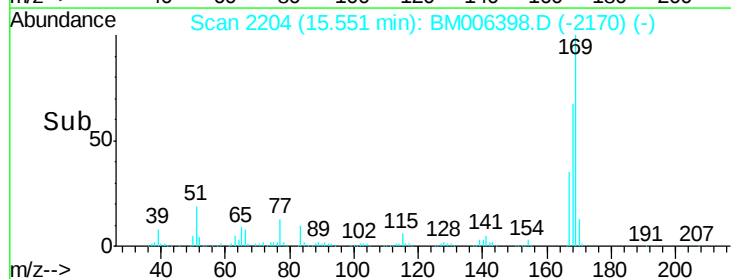
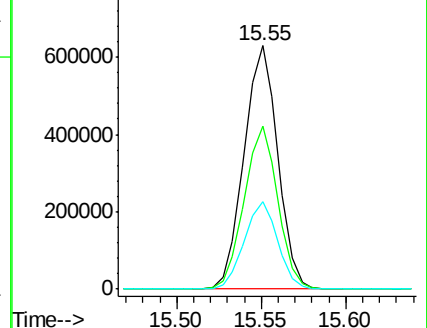
167 36.0 28.7 43.1

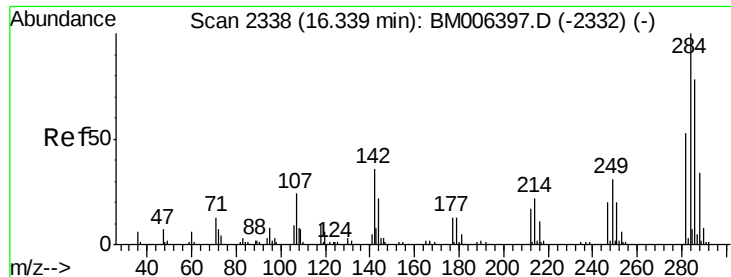


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

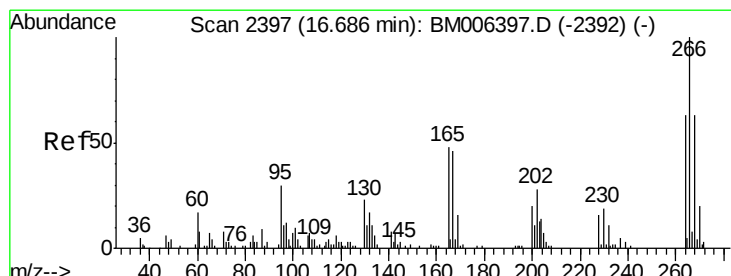
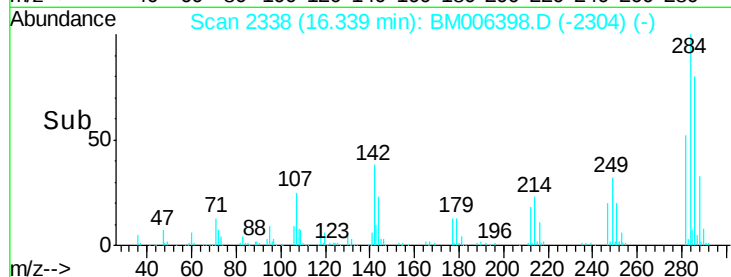
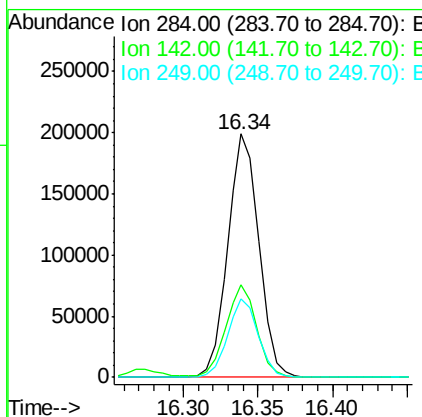
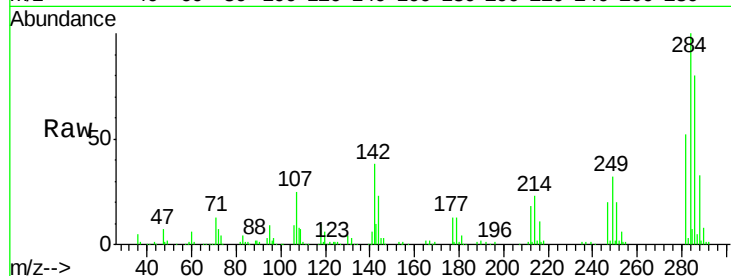




#66
Hexachlorobenzene
Concen: 44.36 ng/ul
RT: 16.34 min Scan# 2338
Delta R.T. 0.00 min
Lab File: BM006398.D
Acq: 11 Jul 2016 16:24

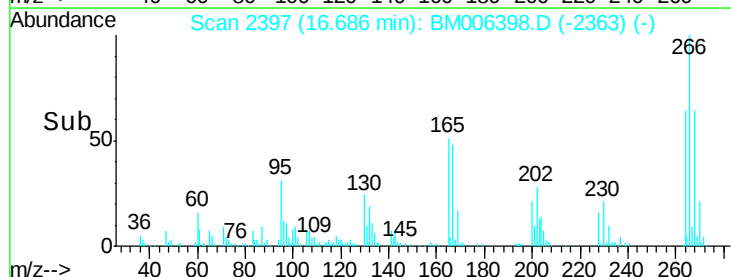
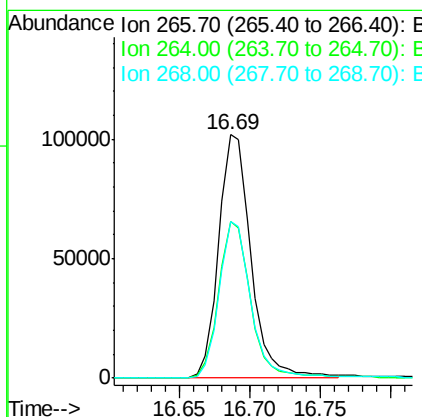
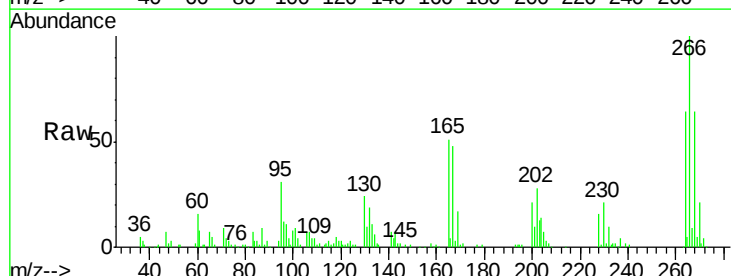
Instrument :
BNA_M
ClientSampleId :
A4TT2

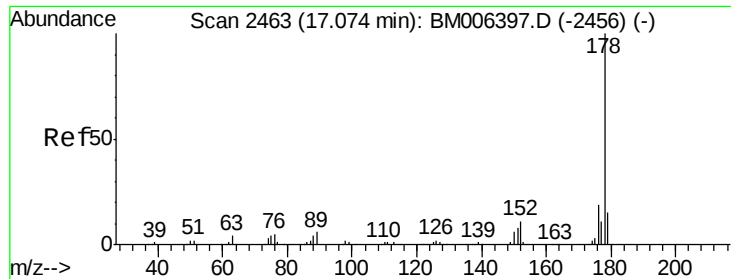
Tgt Ion:284 Resp: 290176
Ion Ratio Lower Upper
284 100
142 38.1 29.7 44.5
249 32.4 24.7 37.1



#68
Pentachlorophenol
Concen: 46.69 ng/ul
RT: 16.69 min Scan# 2397
Delta R.T. 0.00 min
Lab File: BM006398.D
Acq: 11 Jul 2016 16:24

Tgt Ion:266 Resp: 162316
Ion Ratio Lower Upper
266 100
264 64.2 53.7 80.5
268 64.4 51.4 77.0





#69

Phenanthrene

Concen: 35.97 ng/ul

RT: 17.07 min Scan# 2463

Delta R.T. 0.00 min

Lab File: BM006398.D

Acq: 11 Jul 2016 16:24

Instrument :

BNA_M

ClientSampled :

A4TT2

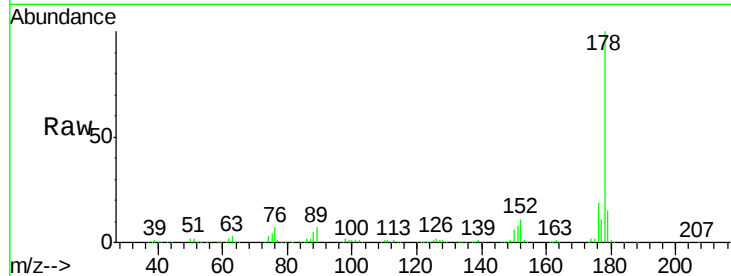
Tgt Ion:178 Resp: 1061706

Ion Ratio Lower Upper

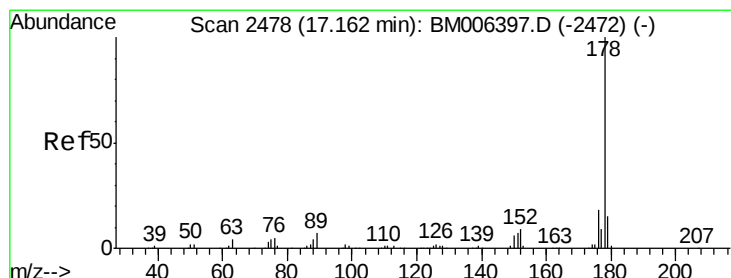
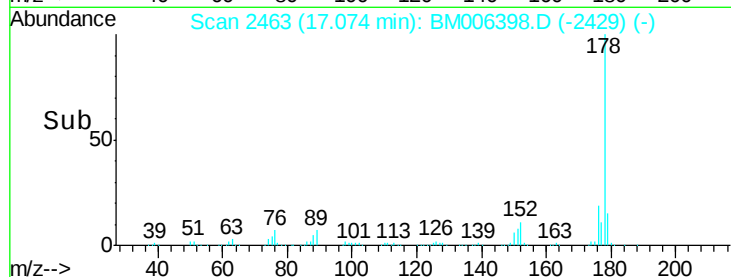
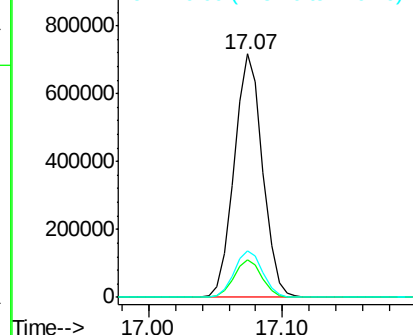
178 100

179 15.3 11.9 17.9

176 19.3 15.2 22.8



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 34.82 ng/ul

RT: 17.07 min Scan# 2463

Delta R.T. -0.09 min

Lab File: BM006398.D

Acq: 11 Jul 2016 16:24

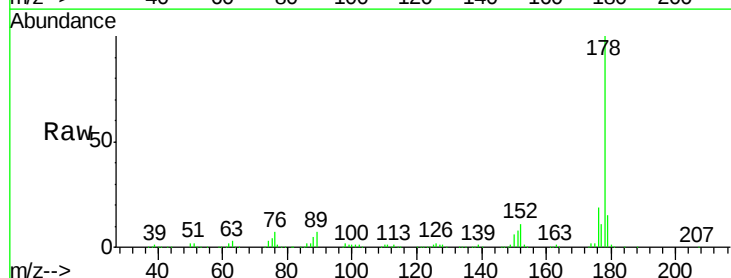
Tgt Ion:178 Resp: 1061706

Ion Ratio Lower Upper

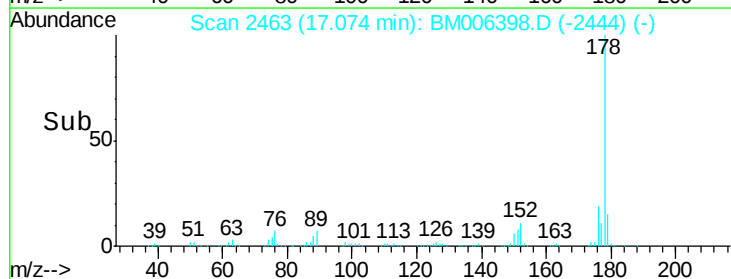
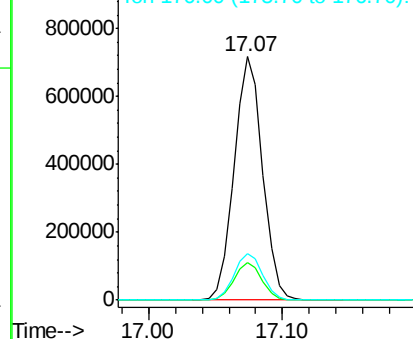
178 100

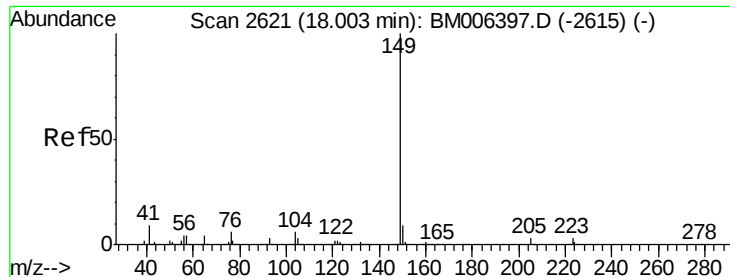
179 15.3 12.0 18.0

176 19.3 15.0 22.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





#73

Di-n-butylphthalate

Concen: 42.62 ng/ul

RT: 18.00 min Scan# 2621

Delta R.T. 0.00 min

Lab File: BM006398.D

Acq: 11 Jul 2016 16:24

Instrument :

BNA_M

ClientSampleId :

A4TT2

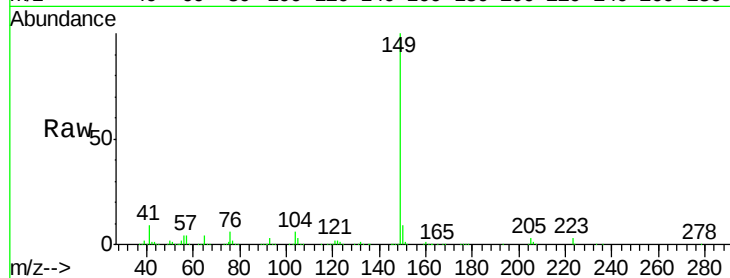
Tgt Ion:149 Resp: 1496904

Ion Ratio Lower Upper

149 100

150 9.2 7.1 10.7

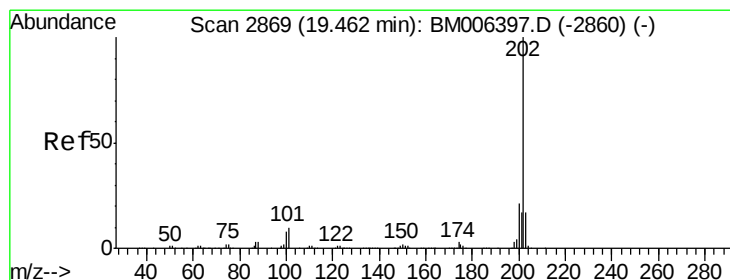
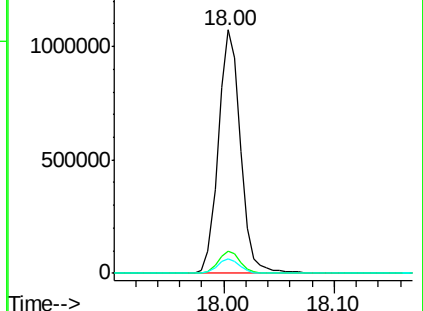
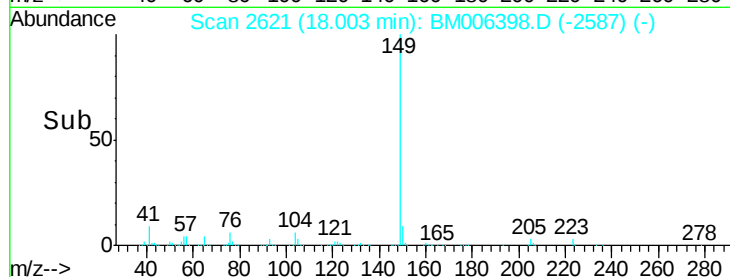
104 6.0 4.4 6.6



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



#77

Pyrene

Concen: 18.46 ng/ul

RT: 19.46 min Scan# 2869

Delta R.T. 0.00 min

Lab File: BM006398.D

Acq: 11 Jul 2016 16:24

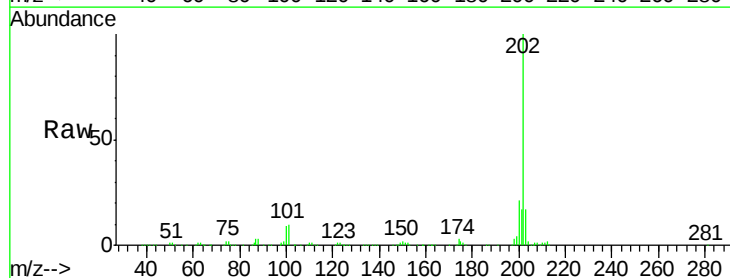
Tgt Ion:202 Resp: 690553

Ion Ratio Lower Upper

202 100

101 10.4 10.0 15.0

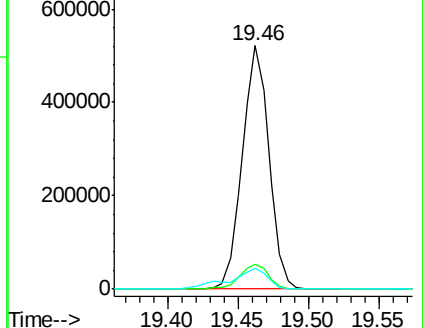
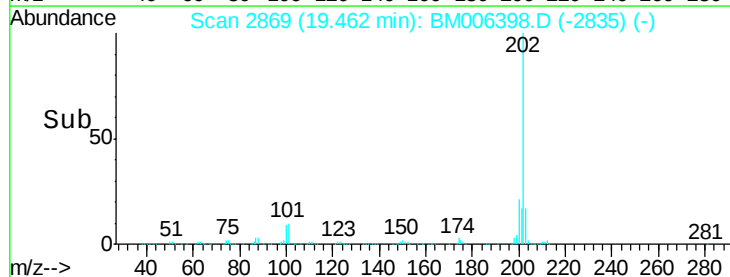
100 8.8 7.9 11.9

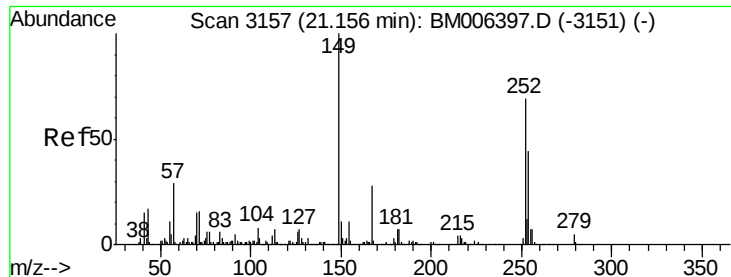


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

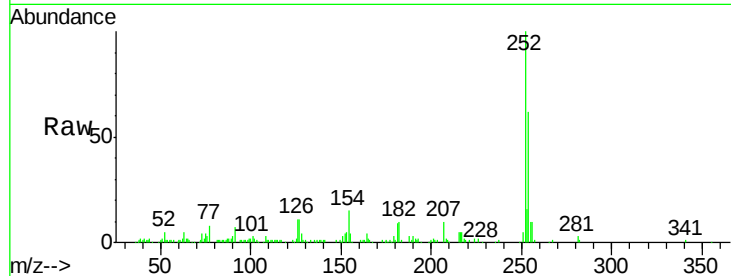




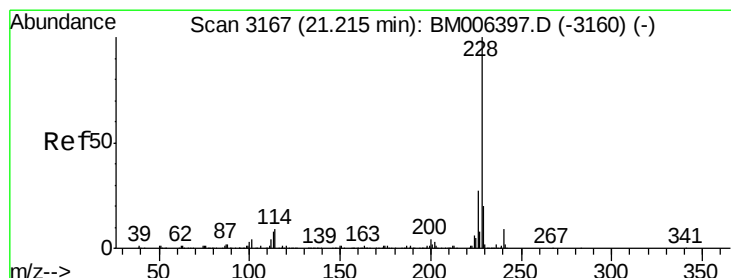
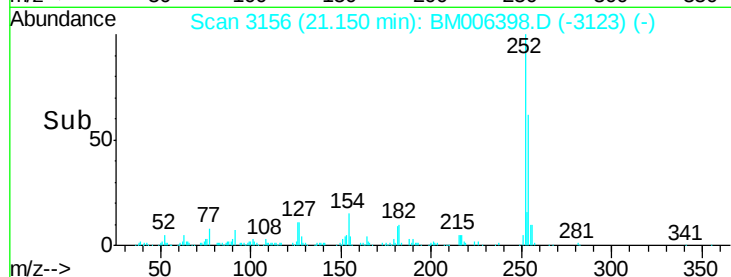
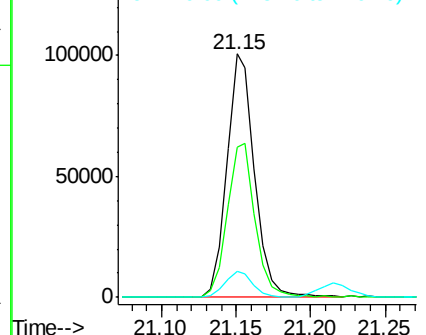
#79
 3,3'-Dichlorobenzidine
 Concen: 11.91 ng/ul
 RT: 21.15 min Scan# 3156
 Delta R.T. -0.01 min
 Lab File: BM006398.D
 Acq: 11 Jul 2016 16:24

Instrument :
 BNA_M
 ClientSampleId :
 A4TT2

Tgt Ion:252 Resp: 131384
 Ion Ratio Lower Upper
 252 100
 254 61.7 50.8 76.2
 126 10.7 9.0 13.4

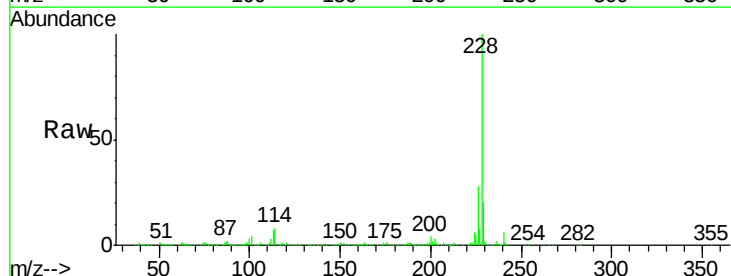


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

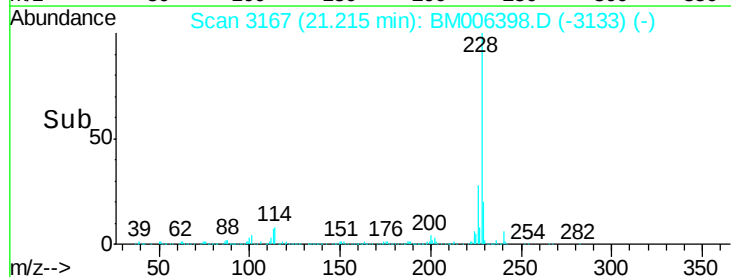
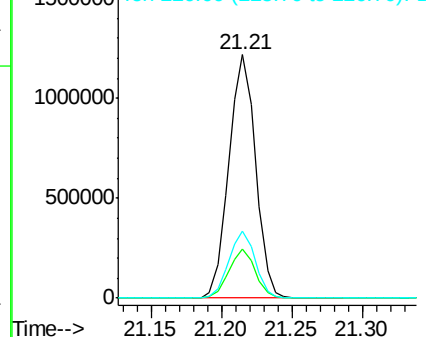


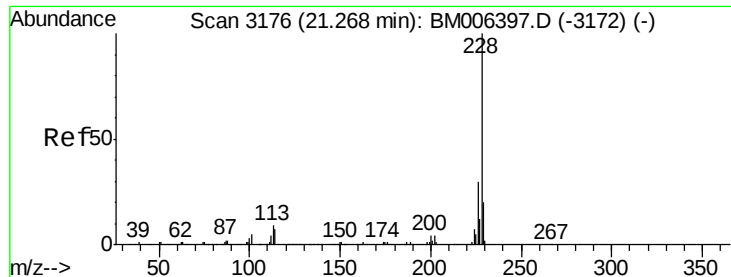
#80
 Benzo(a)anthracene
 Concen: 43.86 ng/ul
 RT: 21.21 min Scan# 3167
 Delta R.T. 0.00 min
 Lab File: BM006398.D
 Acq: 11 Jul 2016 16:24

Tgt Ion:228 Resp: 1604933
 Ion Ratio Lower Upper
 228 100
 229 20.1 15.6 23.4
 226 27.7 21.4 32.2



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





#82

Chrysene

Concen: 48.03 ng/ul

RT: 21.21 min Scan# 3167

Delta R.T. -0.05 min

Lab File: BM006398.D

Acq: 11 Jul 2016 16:24

Instrument :

BNA_M

ClientSampleId :

A4TT2

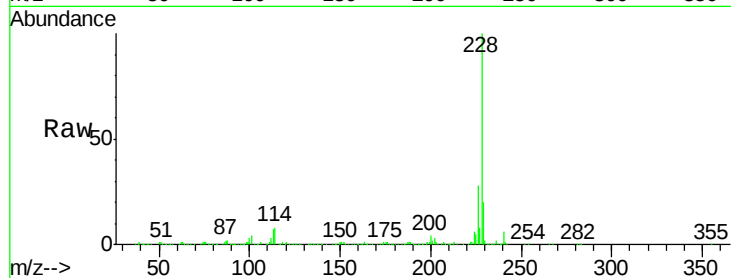
Tgt Ion:228 Resp: 1604933

Ion Ratio Lower Upper

228 100

226 27.7 23.3 34.9

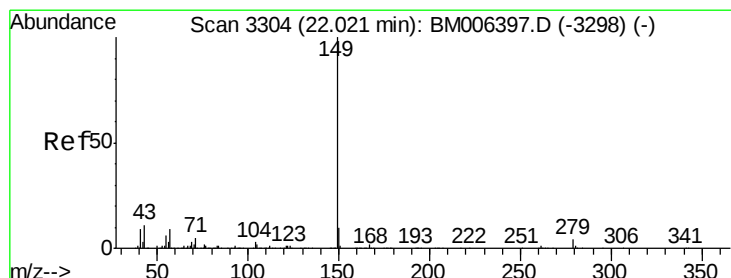
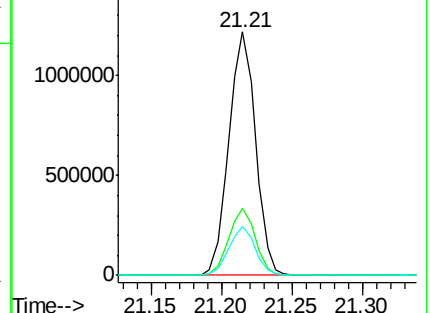
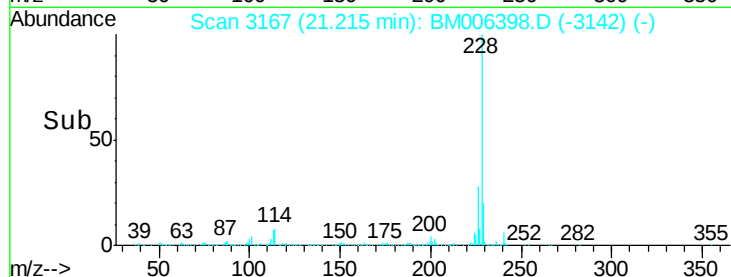
229 20.1 15.8 23.8



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



#84

Di-n-octyl phthalate

Concen: 33.91 ng/ul

RT: 22.02 min Scan# 3304

Delta R.T. 0.00 min

Lab File: BM006398.D

Acq: 11 Jul 2016 16:24

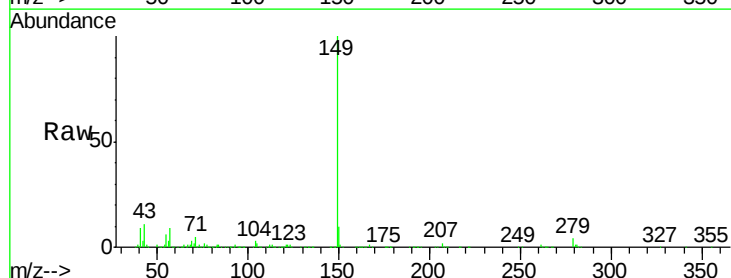
Tgt Ion:149 Resp: 1345518

Ion Ratio Lower Upper

149 100

167 1.4 1.4 2.0

43 10.8 9.1 13.7



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

