

Data Path : Z:\HPCHEM1\BNA M\DATA\BM083117\
 Data File : BM011380.D
 Acq On : 31 Aug 2017 20:07
 Operator : SJ/JU
 Sample : I4963-17
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 01 05:05:27 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM083117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 18:39:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	529326	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	2239822	20.00	ng	0.00
38) Acenaphthene-d10	14.62	164	1296122	20.00	ng	0.00
63) Phenanthrene-d10	17.36	188	2932730	20.00	ng	0.00
75) Chrysene-d12	21.52	240	3324965	20.00	ng	-0.01
86) Perylene-d12	23.91	264	2951392	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	1903550	60.53	ng	0.00
7) Phenol-d6	7.13	99	1477376	33.88	ng	0.00
23) Nitrobenzene-d5	9.16	82	3306765	97.29	ng	0.00
41) 2,4,6-Tribromophenol	16.11	330	2247617	149.89	ng	0.00
44) 2-Fluorobiphenyl	13.25	172	8601186	95.66	ng	0.00
78) Terphenyl-d14	19.97	244	11610876	86.64	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.43	88	369	0.028	ng	# 100
3) Pyridine	3.81	79	399	0.010	ng	# 1
4) n-Nitrosodimethylamine	3.75	42	354	0.017	ng	# 1
6) Aniline	7.31	93	924	0.016	ng	# 49
8) 2-Chlorophenol	7.56	128	1119	0.030	ng	# 1
9) Benzaldehyde	7.13	77	6204	0.245	ng	# 34
10) Phenol	7.16	94	1709	0.036	ng	# 1
11) bis(2-Chloroethyl)ether	7.40	93	214	0.006	ng	# 1
13) 1,4-Dichlorobenzene	8.02	146	109	0.003	ng	# 36
14) 1,2-Dichlorobenzene	8.35	146	1629	0.039	ng	# 1
15) Benzyl Alcohol	8.22	79	2074	0.066	ng	# 38
16) 2,2'-oxybis(1-Chloropropan	8.53	45	839	0.013	ng	# 1
17) 2-Methylphenol	8.42	107	128	0.004	ng	# 1
18) Hexachloroethane	9.15	117	145	0.010	ng	# 3
19) n-Nitroso-di-n-propylamine	8.81	70	358	0.011	ng	# 1
20) 3+4-Methylphenols	8.79	107	129	0.003	ng	# 1
22) Acetophenone	8.82	105	8823	0.159	ng	# 92
24) Nitrobenzene	9.23	77	568	0.015	ng	# 42
25) Isophorone	9.72	82	695	0.009	ng	# 62
27) 2,4-Dimethylphenol	9.99	122	1057	0.030	ng	# 6
28) bis(2-Chloroethoxy)methane	10.21	93	228	0.004	ng	# 5
31) Naphthalene	10.86	128	1108	0.009	ng	# 69
32) Benzoic acid	9.99	122	1057	6.578	ng	# 52
33) 4-Chloroaniline	10.96	127	109	0.002	ng	# 51
36) 4-Chloro-3-methylphenol	12.12	107	156	0.004	ng	# 14
45) 1,1'-Biphenyl	13.46	154	12133	0.105	ng	# 92
47) 2-Nitroaniline	13.69	65	362	5.449	ng	# 1
49) Dimethylphthalate	14.07	163	2620	0.025	ng	# 77
50) 2,6-Dinitrotoluene	14.15	165	475	0.024	ng	# 56
51) Acenaphthene	14.62	154	5120	0.059	ng	# 5
56) 2,4-Dinitrotoluene	14.92	165	236	5.147	ng	# 11
59) Diethylphthalate	15.43	149	18423	0.174	ng	# 94
62) Azobenzene	15.96	77	553	0.006	ng	# 50
70) Phenanthrene	17.40	178	761	0.005	ng	# 29

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 Misc :
 ALS Vial : 6 Sample Multiplier: 1

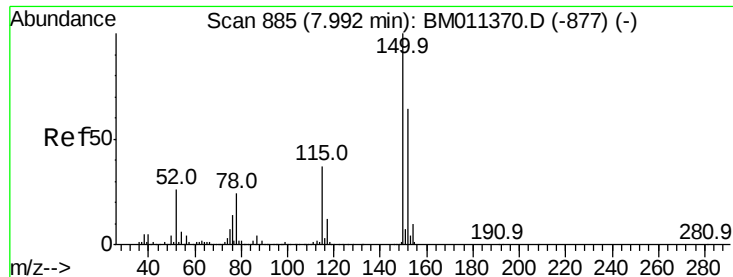
Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 01 05:05:27 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM083117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 18:39:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

71) Anthracene	17.50	178	413	0.003	ng	# 13
72) Carbazole	17.76	167	566	0.004	ng	# 59
73) Di-n-butylphthalate	18.32	149	10713	0.058	ng	# 95
74) Fluoranthene	19.42	202	846	0.005	ng	# 66
76) Benzidine	19.59	184	923	0.014	ng	# 68
77) Pyrene	19.77	202	956	0.005	ng	# 44
79) Butylbenzylphthalate	20.66	149	1591	0.018	ng	# 93
80) Benzo(a)anthracene	21.52	228	9236	0.050	ng	# 78
81) 3,3'-Dichlorobenzidine	21.44	252	244	0.003	ng	# 6
82) Chrysene	21.52	228	9236	0.053	ng	# 74
83) Bis(2-ethylhexyl)phthalate	21.43	149	10775	0.082	ng	# 86
84) Di-n-octyl phthalate	22.34	149	1629	0.007	ng	# 1
85) Indeno(1,2,3-cd)pyrene	26.35	276	983	0.006	ng	# 86
87) Benzo(b)fluoranthene	23.17	252	2886	0.016	ng	# 1
88) Benzo(k)fluoranthene	23.28	252	677	0.004	ng	# 1
89) Benzo(a)pyrene	23.79	252	242	0.001	ng	# 1
90) Dibenzo(a,h)anthracene	26.37	278	576	0.004	ng	# 1
91) Benzo(g,h,i)perylene	27.11	276	865	0.006	ng	# 1

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

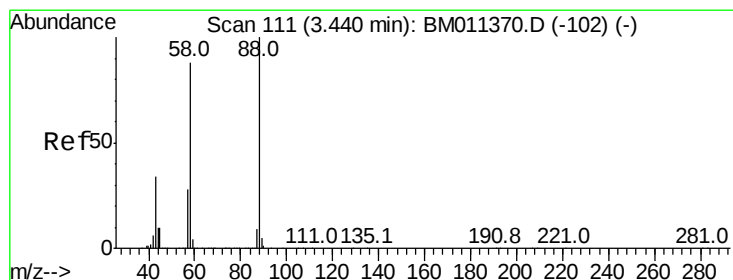
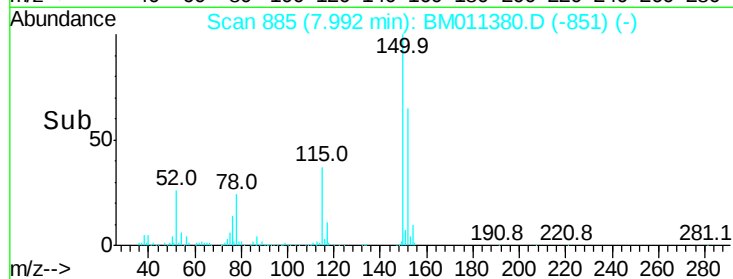
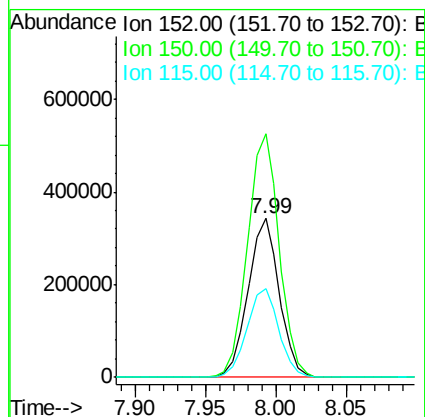
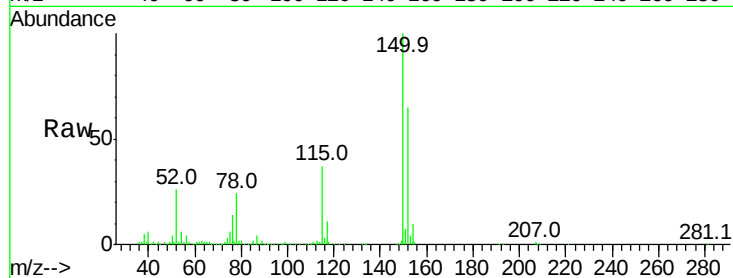


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 885
Delta R.T. -0.00 min
Lab File: BM011380.D
Acq: 31 Aug 2017 20:07

Instrument :
BNA_M
ClientSampleId :

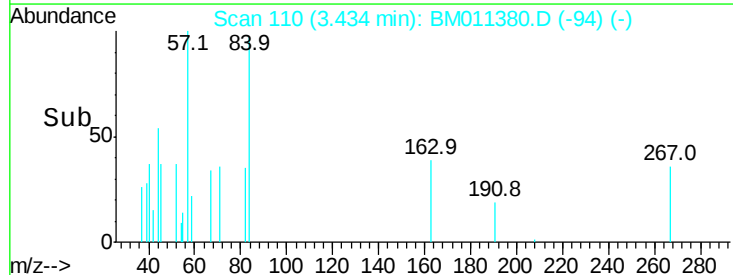
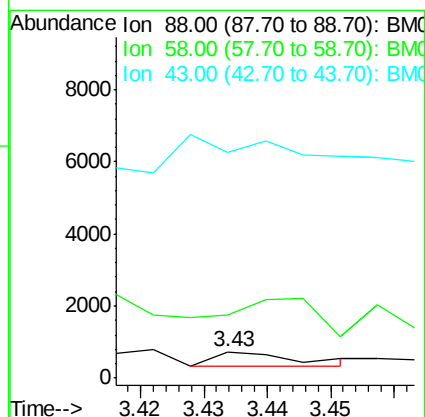
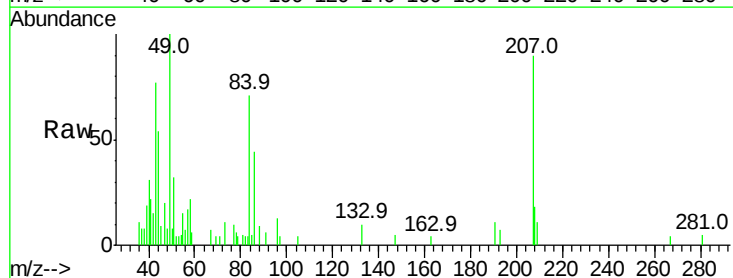
Tot Ion:152 Resp: 529326
Ion Ratio Lower Upper
152 100
150 153.2 119.5 179.3
115 56.1 43.0 64.4

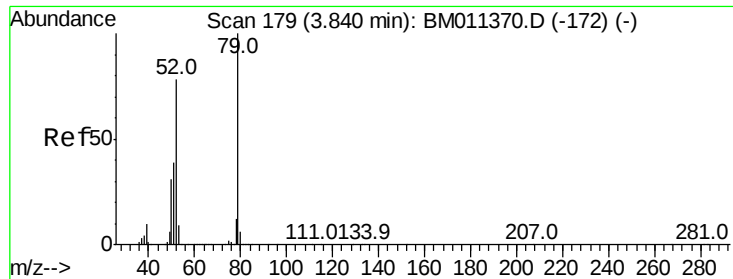


#2

1,4-Dioxane
Concen: 0.028 ng
RT: 3.43 min Scan# 110
Delta R.T. -0.01 min
Lab File: BM011380.D
Acq: 31 Aug 2017 20:07

Tgt Ion: 88 Resp: 369
Ion Ratio Lower Upper
88 100
58 256.1 0.0 0.0#
43 849.3 0.0 0.0#





#3

Pvridine

Concen: 0.010 ng

RT: 3.81 min Scan# 174

Delta R.T. -0.03 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

Instrument :

BNA_M

ClientSampleId :

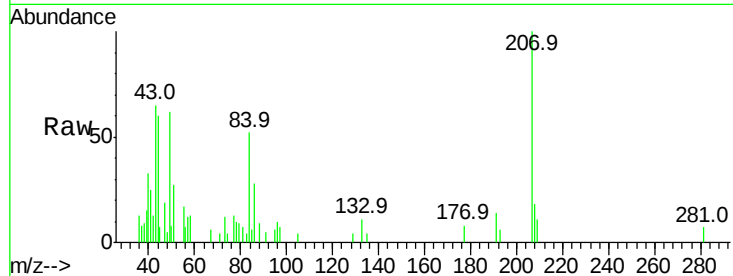
Tot Ion: 79 Resp: 399

Ion Ratio Lower Upper

79 100

52 0.0 51.1 76.7#

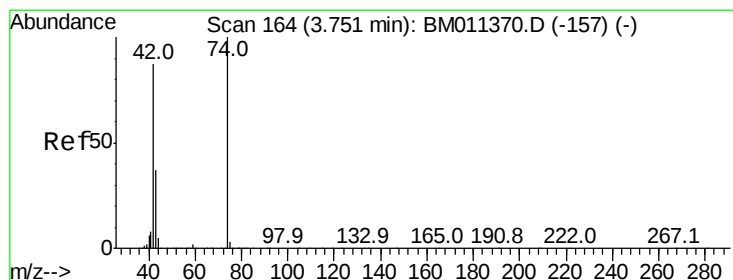
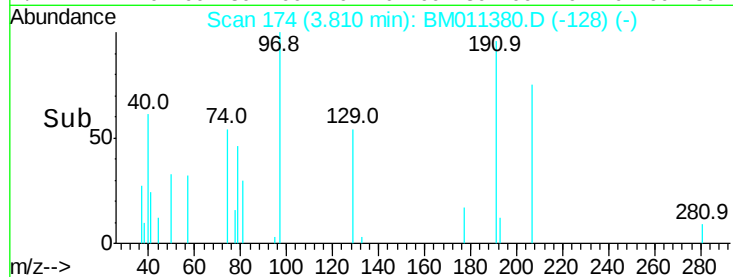
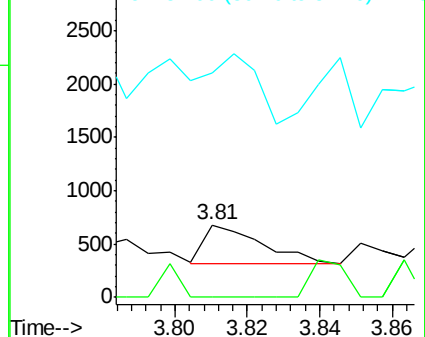
51 310.5 26.1 39.1#



Abundance Ion 79.00 (78.70 to 79.70): BM011370.D (-172) (-)

Ion 52.00 (51.70 to 52.70): BM011370.D (-172) (-)

Ion 51.00 (50.70 to 51.70): BM011370.D (-172) (-)



#4

n-Nitrosodimethylamine

Concen: 0.017 ng

RT: 3.75 min Scan# 164

Delta R.T. -0.00 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

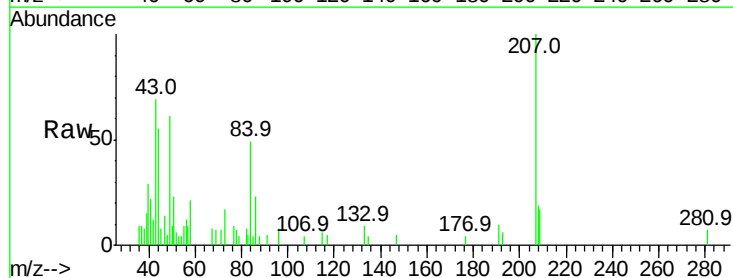
Tgt Ion: 42 Resp: 354

Ion Ratio Lower Upper

42 100

74 0.0 119.3 178.9#

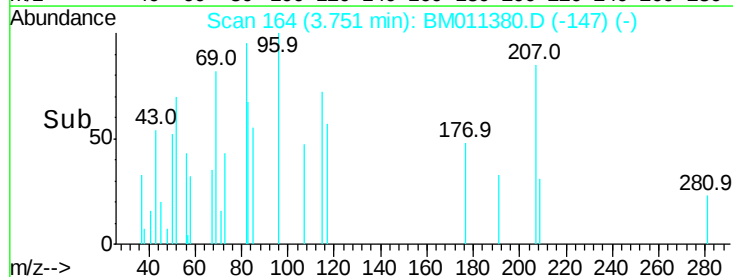
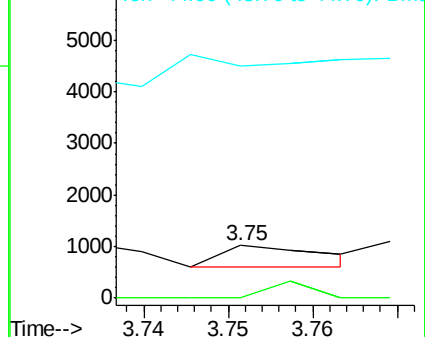
44 444.1 5.4 8.2#

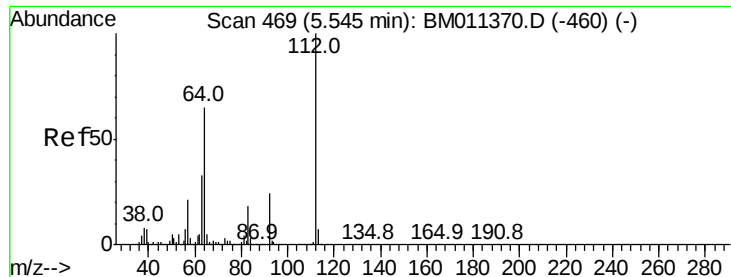


Abundance Ion 42.00 (41.70 to 42.70): BM011370.D (-157) (-)

Ion 74.00 (73.70 to 74.70): BM011370.D (-157) (-)

Ion 44.00 (43.70 to 44.70): BM011370.D (-157) (-)





#5

2-Fluorophenol

Concen: 60.534 ng

RT: 5.55 min Scan# 469

Delta R.T. 0.00 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

Instrument :

BNA_M

ClientSampleId :

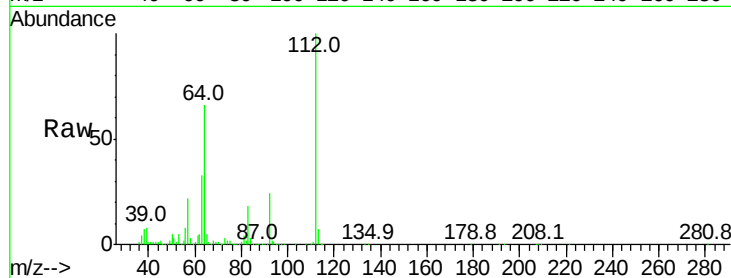
Tot Ion:112 Resp: 1903550

Ion Ratio Lower Upper

112 100

64 66.0 38.6 57.8#

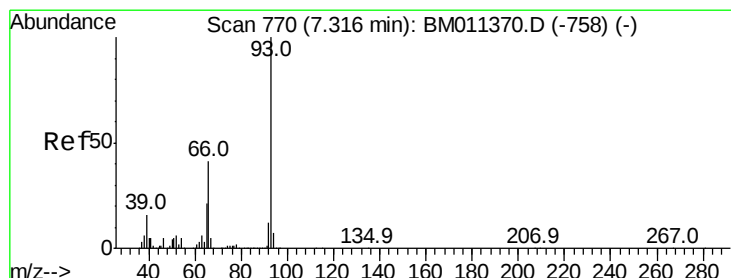
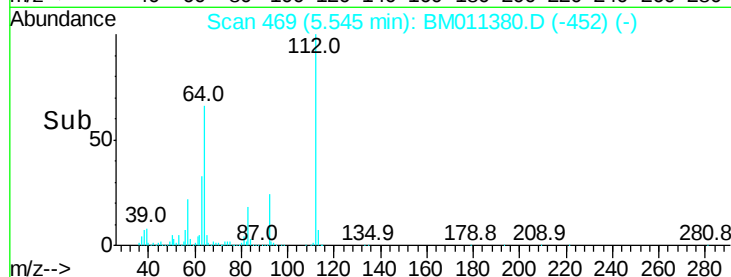
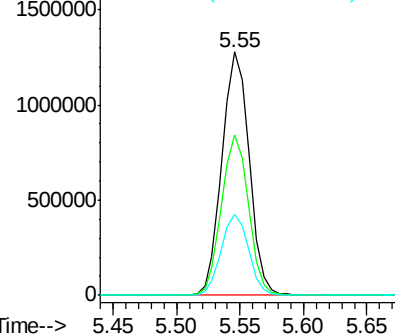
63 33.2 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



#6

Aniline

Concen: 0.016 ng

RT: 7.31 min Scan# 769

Delta R.T. -0.01 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

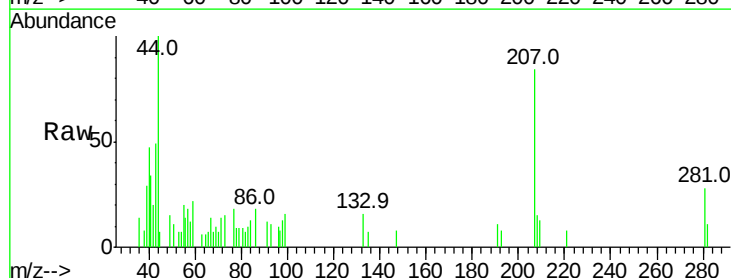
Tgt Ion: 93 Resp: 924

Ion Ratio Lower Upper

93 100

66 63.3 30.8 46.2#

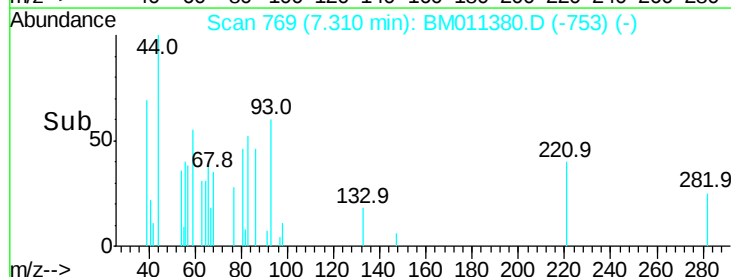
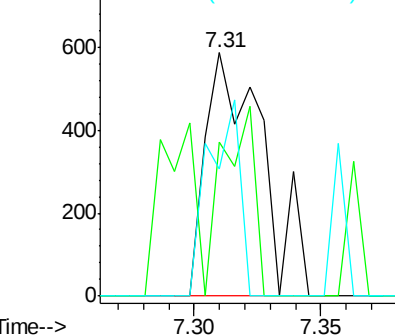
65 52.0 16.0 24.0#

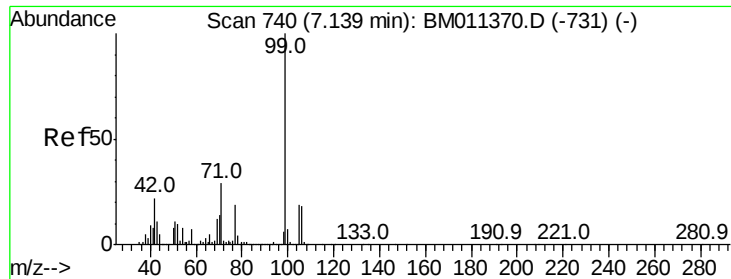


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 66.00 (65.70 to 66.70): BM0

Ion 65.00 (64.70 to 65.70): BM0





#7

Phenol-d6

Concen: 33.882 ng

RT: 7.13 min Scan# 739

Delta R.T. -0.01 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

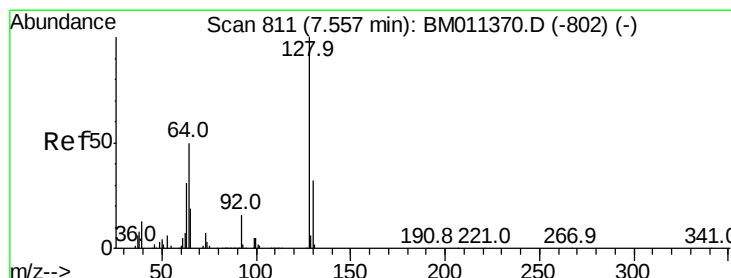
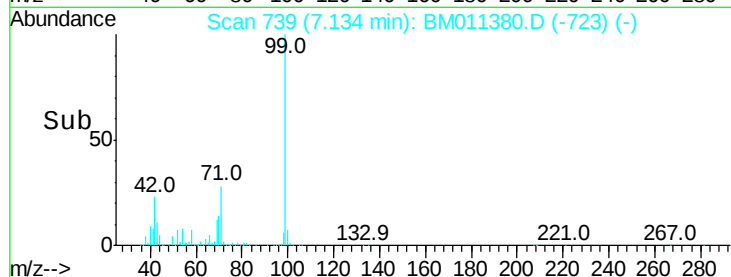
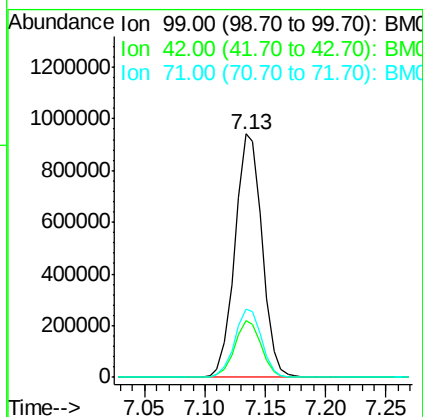
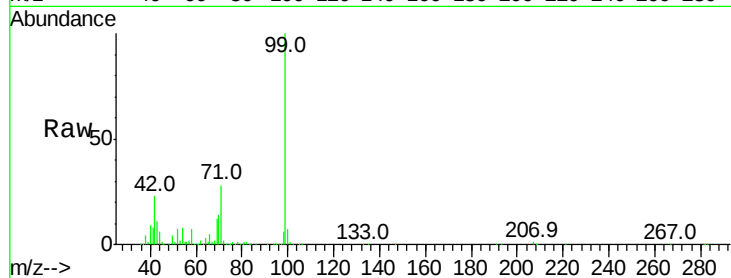
Instrument :

BNA_M

ClientSampleId :

Tot Ion: 99 Resp: 1477376

Ion	Ratio	Lower	Upper
99	100		
42	23.2	11.0	16.4#
71	27.9	23.4	35.2



#8

2-Chlorophenol

Concen: 0.030 ng

RT: 7.56 min Scan# 811

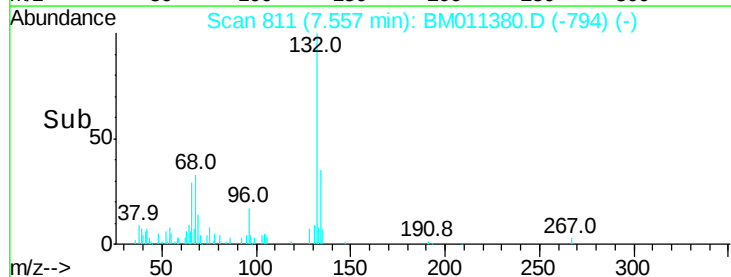
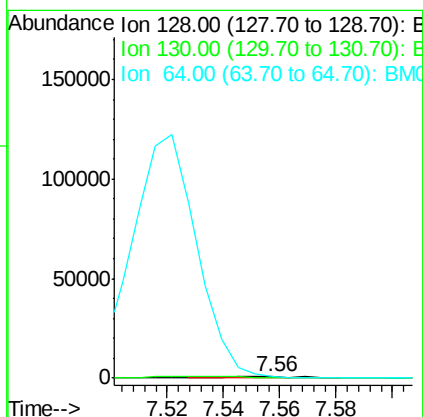
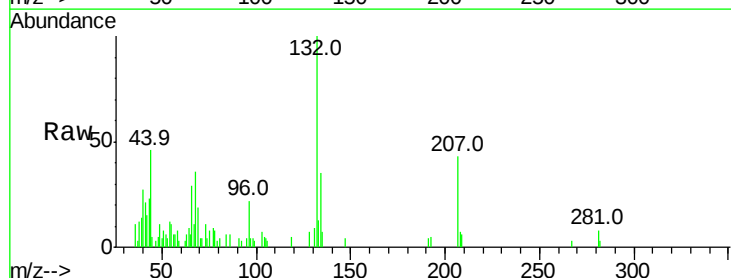
Delta R.T. -0.00 min

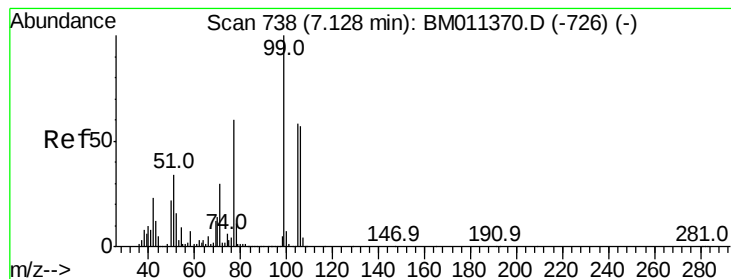
Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

Tgt Ion: 128 Resp: 1119

Ion	Ratio	Lower	Upper
128	100		
130	0.0	12.0	52.0#
64	132.1	24.9	64.9#





#9

Benzaldehyde

Concen: 0.245 ng

RT: 7.13 min Scan# 739

Delta R.T. 0.01 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

Instrument :

BNA_M

ClientSampled :

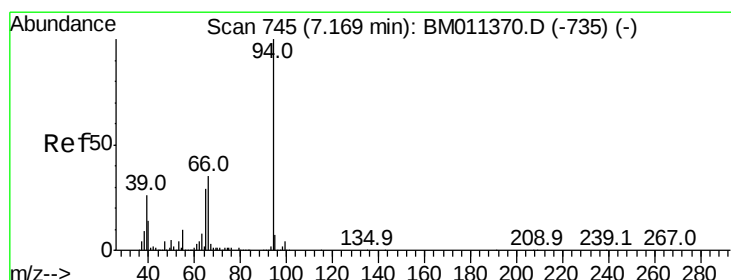
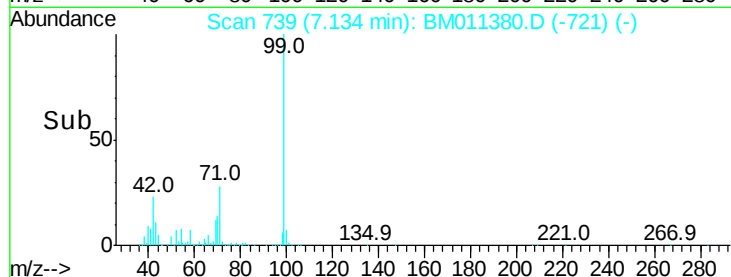
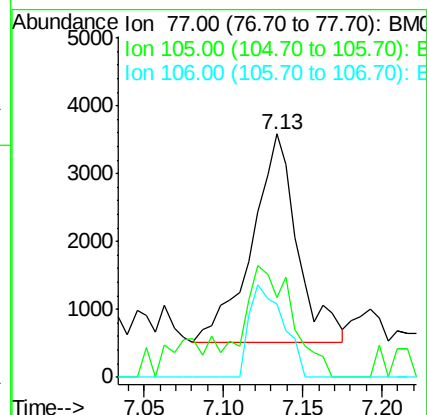
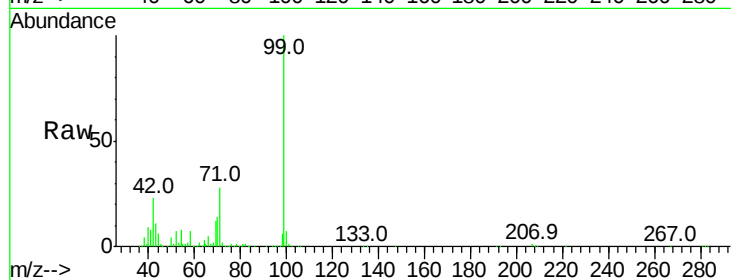
Tot Ion: 77 Resp: 6204

Ion Ratio Lower Upper

77 100

105 32.6 78.8 118.8#

106 30.0 73.7 113.7#



#10

Phenol

Concen: 0.036 ng

RT: 7.16 min Scan# 744

Delta R.T. -0.01 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

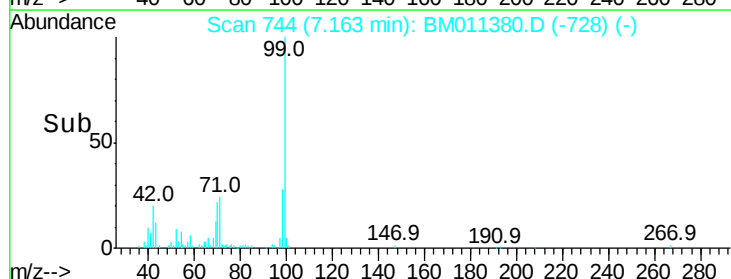
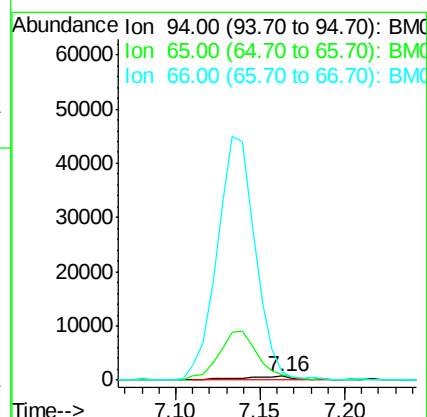
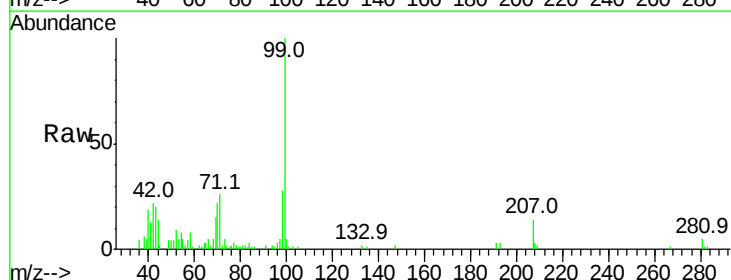
Tgt Ion: 94 Resp: 1709

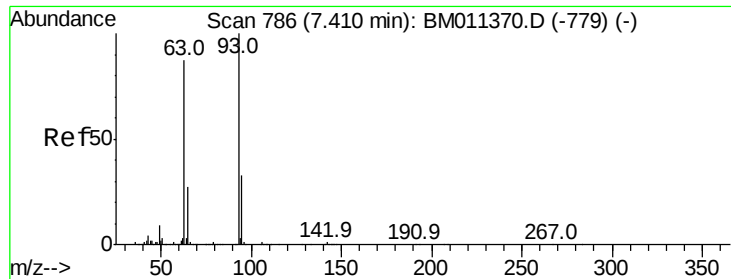
Ion Ratio Lower Upper

94 100

65 143.0 18.8 58.8#

66 200.4 39.9 79.9#

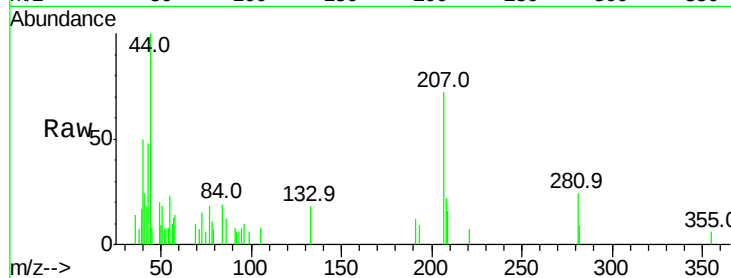




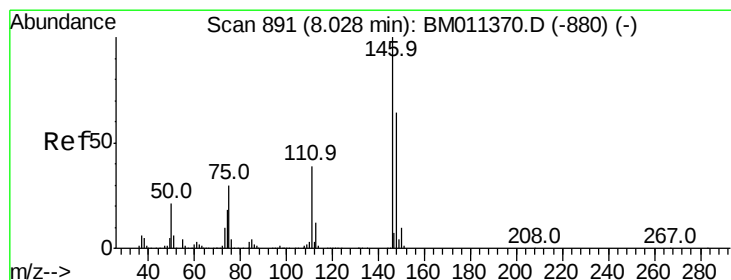
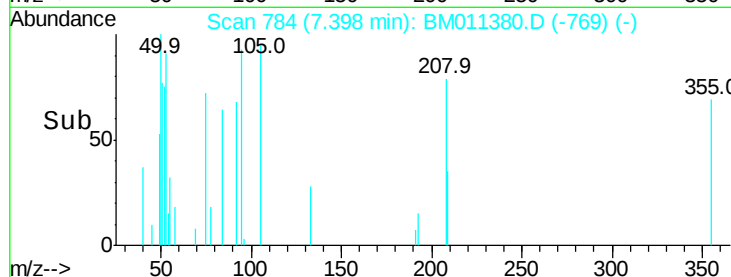
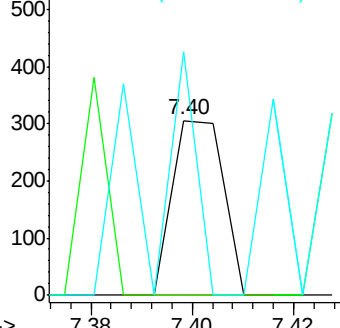
#11
bis(2-Chloroethyl)ether
Concen: 0.006 ng
RT: 7.40 min Scan# 784
Delta R.T. -0.01 min
Lab File: BM011380.D
Acq: 31 Aug 2017 20:07

Instrument :
BNA_M
ClientSampleId :

Tot Ion: 93 Resp: 214
Ion Ratio Lower Upper
93 100
63 0.0 49.5 89.5#
95 139.7 13.5 53.5#

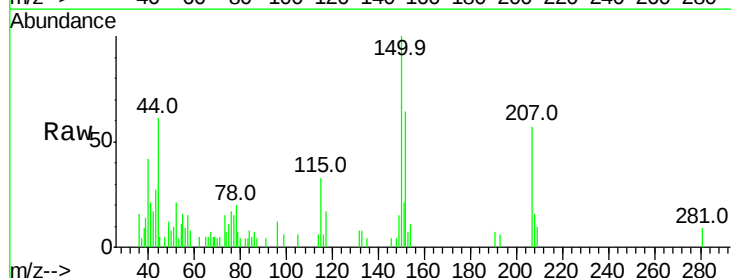


Abundance Ion 93.00 (92.70 to 93.70): BM0
Ion 63.00 (62.70 to 63.70): BM0
Ion 95.00 (94.70 to 95.70): BM0

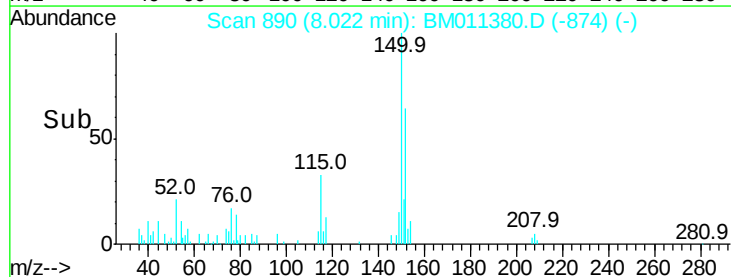
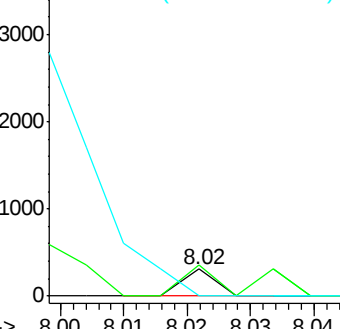


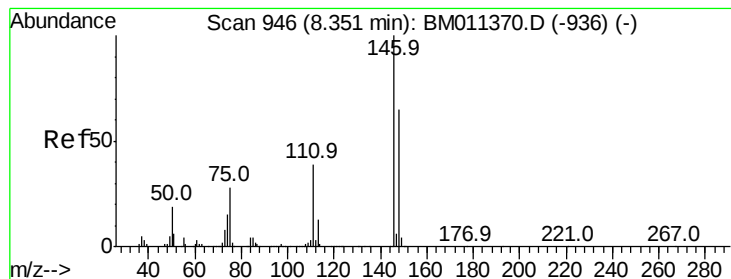
#13
1,4-Dichlorobenzene
Concen: 0.003 ng
RT: 8.02 min Scan# 890
Delta R.T. -0.01 min
Lab File: BM011380.D
Acq: 31 Aug 2017 20:07

Tgt Ion: 146 Resp: 109
Ion Ratio Lower Upper
146 100
148 115.9 51.9 77.9#
111 0.0 29.2 43.8#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 0.039 ng

RT: 8.35 min Scan# 945

Delta R.T. -0.01 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

Instrument :

BNA_M

ClientSampleId :

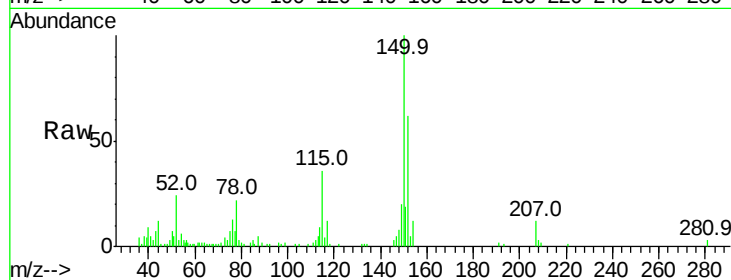
Tot Ion:146 Resp: 1629

Ion Ratio Lower Upper

146 100

148 267.6 52.3 78.5#

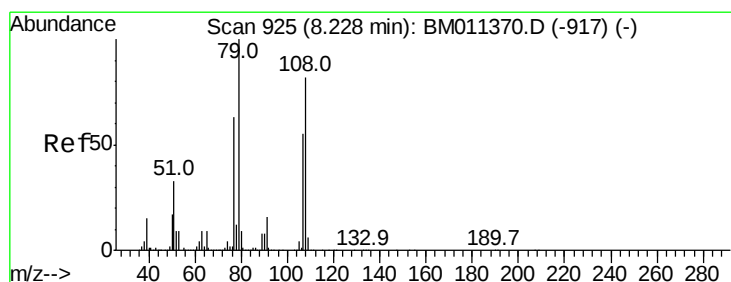
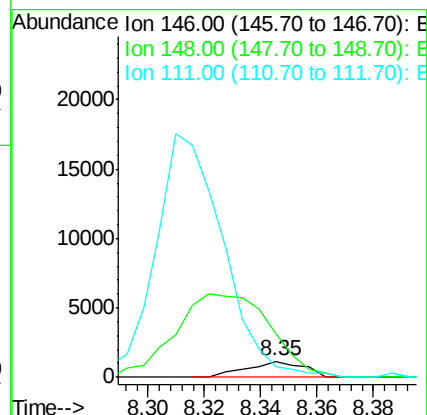
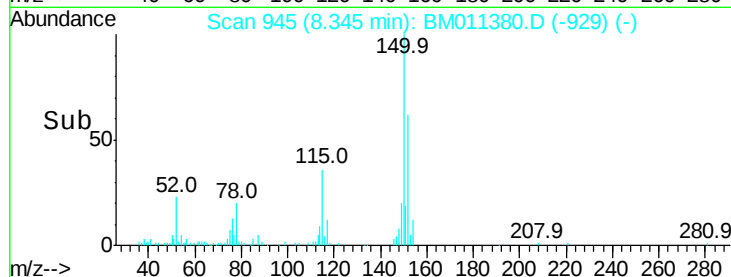
111 64.9 30.6 45.8#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 0.066 ng

RT: 8.22 min Scan# 924

Delta R.T. -0.01 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

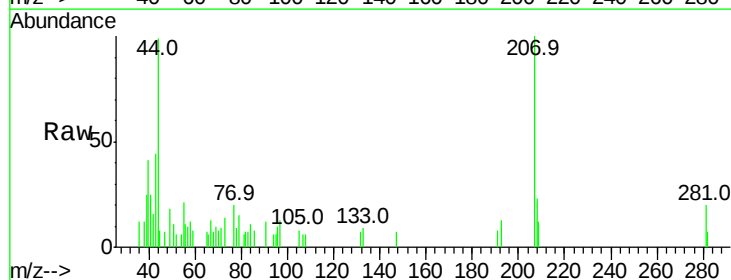
Tgt Ion: 79 Resp: 2074

Ion Ratio Lower Upper

79 100

108 39.6 65.0 97.4#

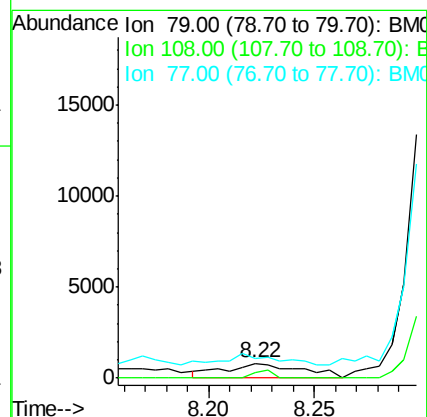
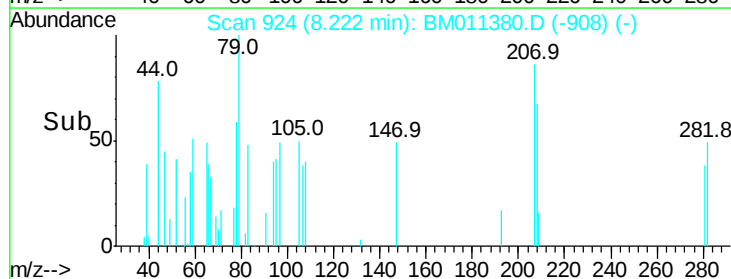
77 131.5 53.0 79.6#

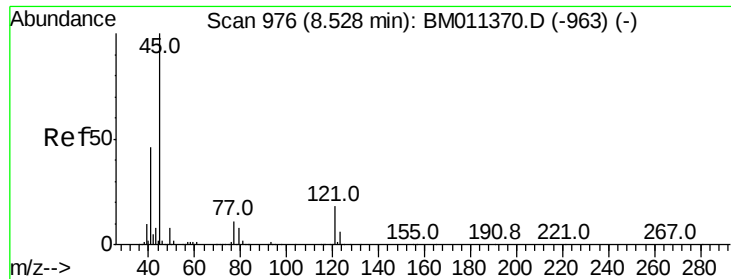


Abundance Ion 79.00 (78.70 to 79.70): BM0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM0

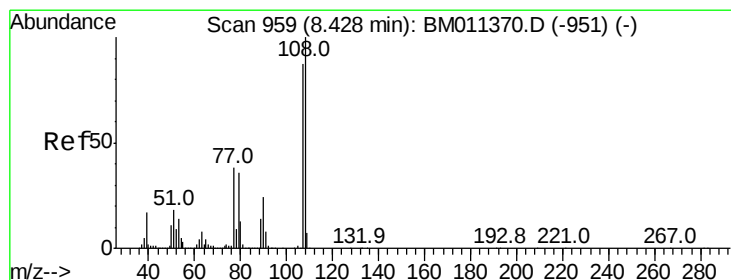
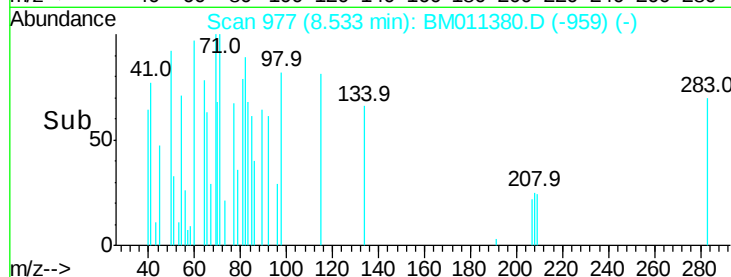
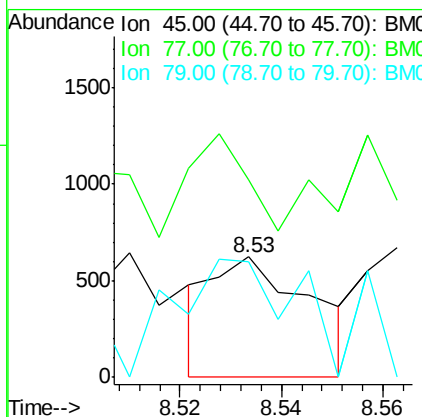
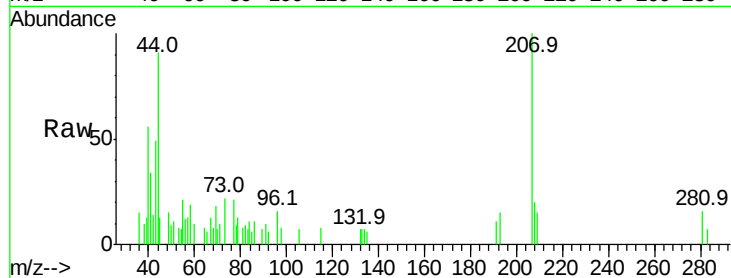




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.013 ng
RT: 8.53 min Scan# 977
Delta R.T. 0.01 min
Lab File: BM011380.D
Acq: 31 Aug 2017 20:07

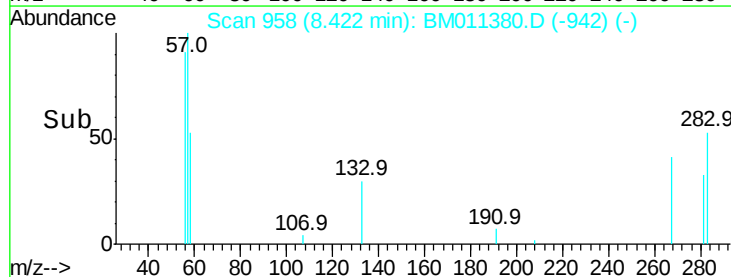
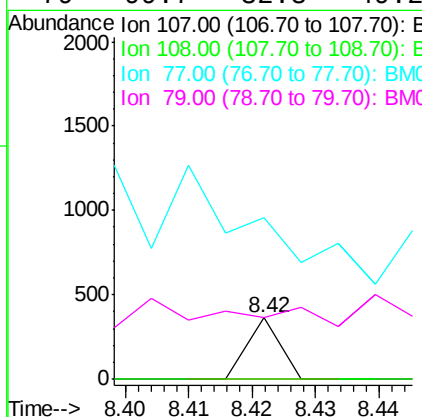
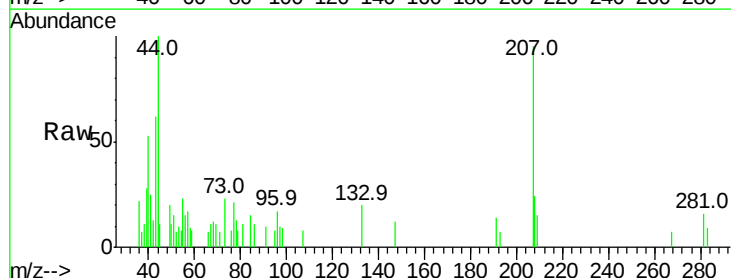
Instrument :
BNA_M
ClientSampleId :

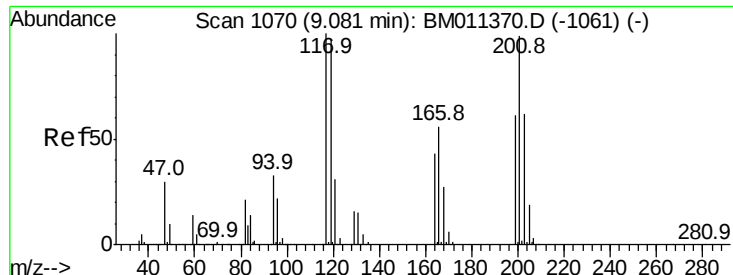
Tot Ion: 45 Resp: 839
Ion Ratio Lower Upper
45 100
77 164.3 0.0 35.2#
79 96.3 0.0 32.0#



#17
2-Methylphenol
Concen: 0.004 ng
RT: 8.42 min Scan# 958
Delta R.T. -0.01 min
Lab File: BM011380.D
Acq: 31 Aug 2017 20:07

Tgt Ion:107 Resp: 128
Ion Ratio Lower Upper
107 100
108 0.0 89.8 134.8#
77 262.8 32.6 48.8#
79 99.7 32.8 49.2#





#18

Hexachloroethane

Concen: 0.010 ng

RT: 9.15 min Scan# 1081

Delta R.T. 0.06 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

Instrument :

BNA_M

ClientSampled :

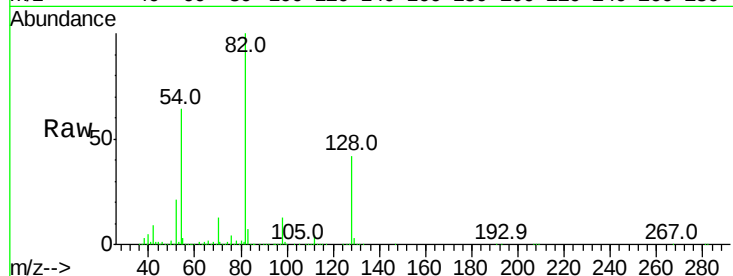
Tot Ion:117 Resp: 145

Ion Ratio Lower Upper

117 100

119 0.0 79.2 118.8#

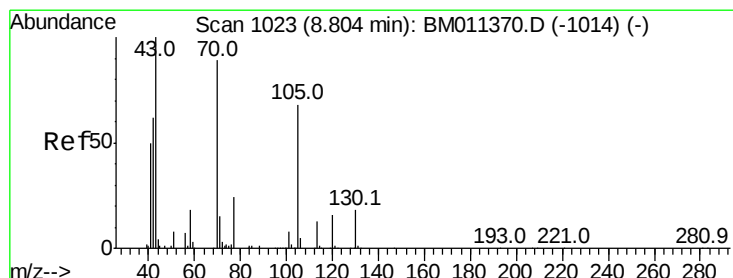
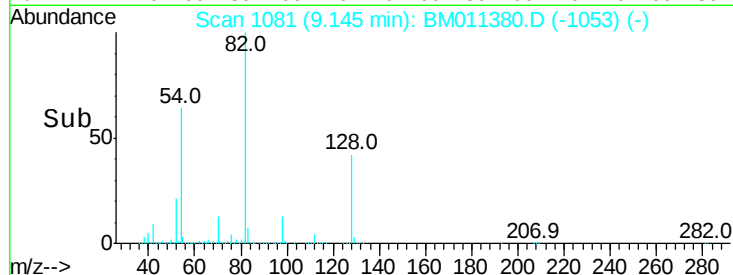
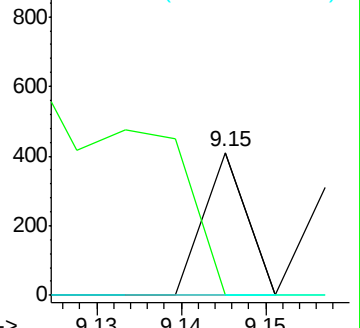
201 0.0 69.8 104.6#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 0.011 ng

RT: 8.81 min Scan# 1024

Delta R.T. 0.01 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

Tgt Ion: 70 Resp: 358

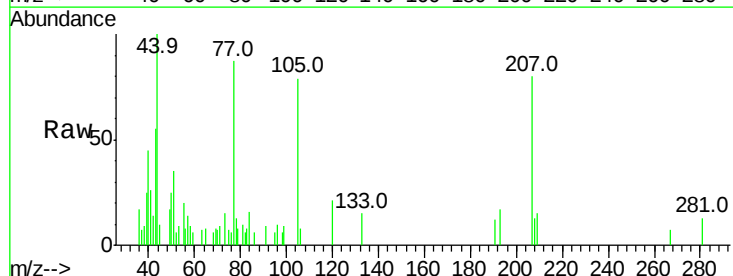
Ion Ratio Lower Upper

70 100

42 195.6 44.5 66.7#

101 0.0 7.4 11.2#

130 0.0 15.3 22.9#

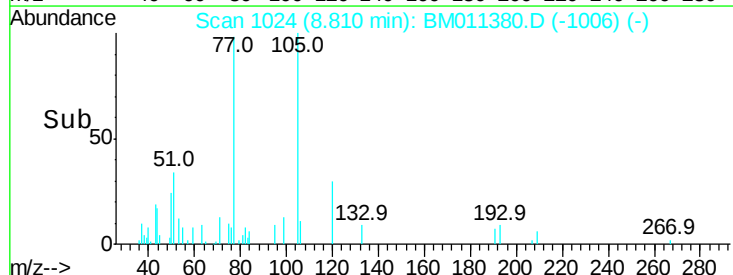
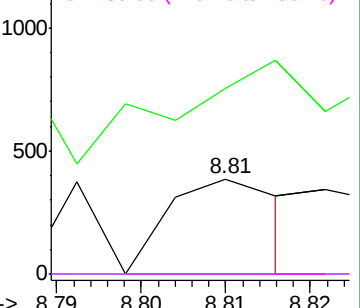


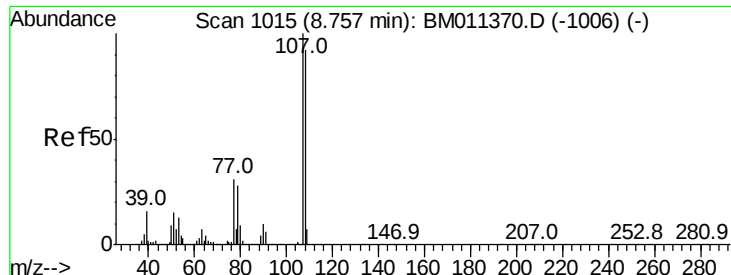
Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

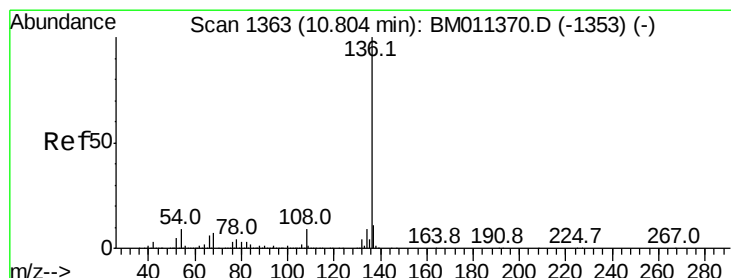
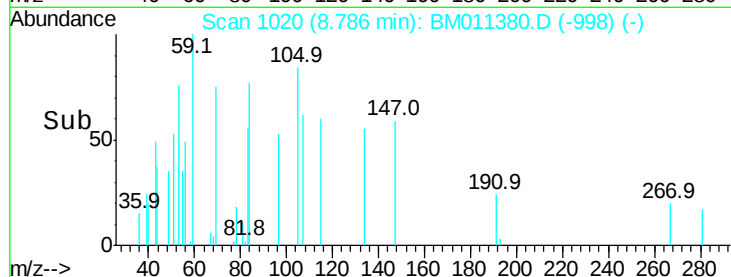
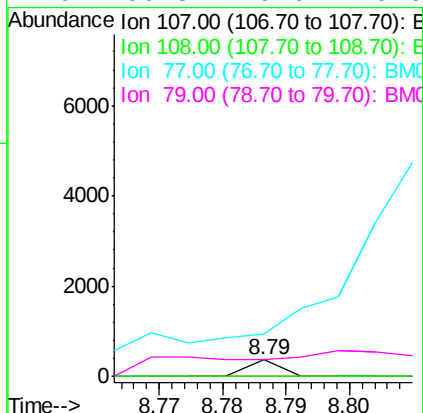
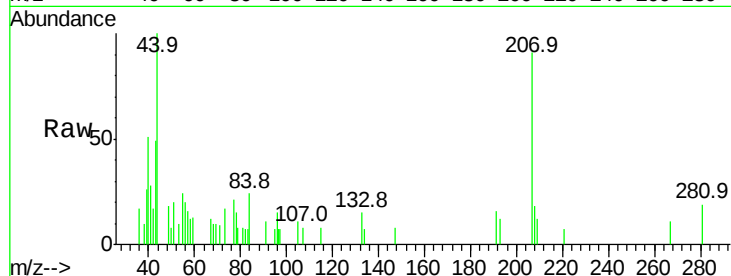




#20
3+4-Methylphenols
Concen: 0.003 ng
RT: 8.79 min Scan# 1020
Delta R.T. 0.03 min
Lab File: BM011380.D
Acq: 31 Aug 2017 20:07

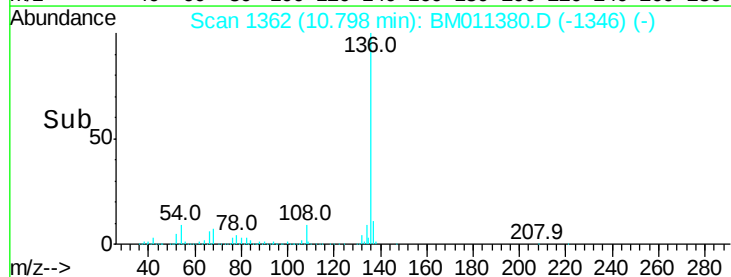
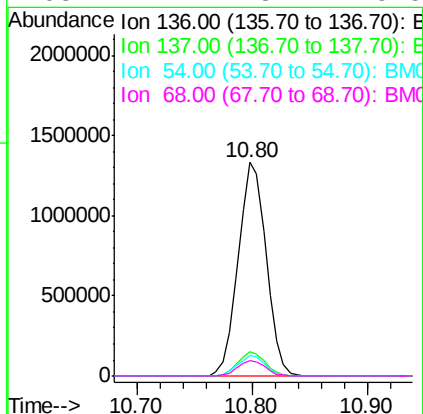
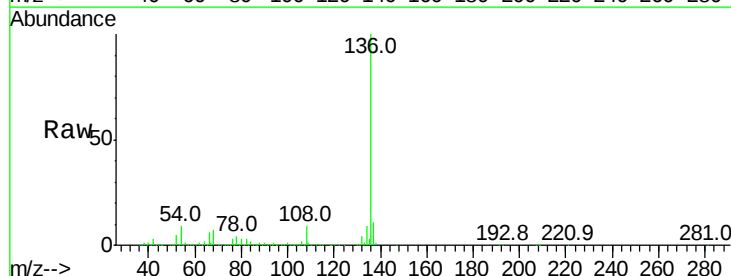
Instrument :
BNA_M
ClientSampleId :

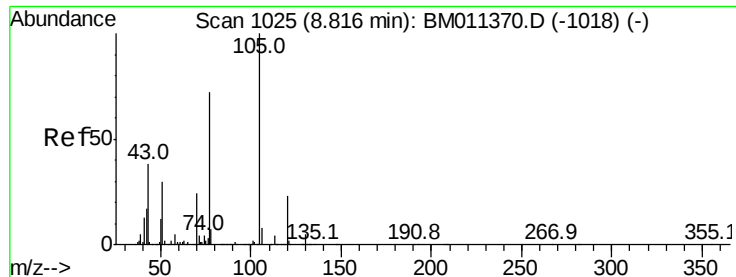
Tot Ion:107 Resp: 129
Ion Ratio Lower Upper
107 100
108 0.0 73.2 113.2#
77 260.1 10.7 50.7#
79 100.8 9.6 49.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BM011380.D
Acq: 31 Aug 2017 20:07

Tgt Ion:136 Resp: 2239822
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 9.4 4.6 6.8#
68 7.1 3.7 5.5#





#22

Acetophenone

Concen: 0.159 ng

RT: 8.82 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BM011380.D

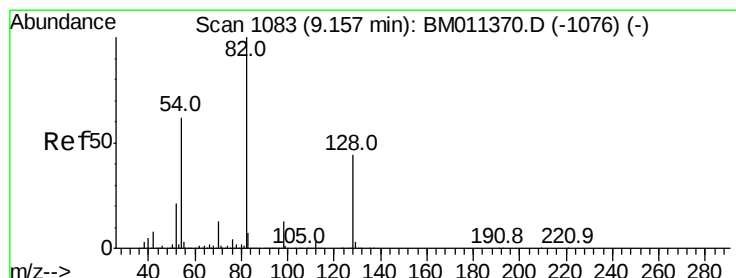
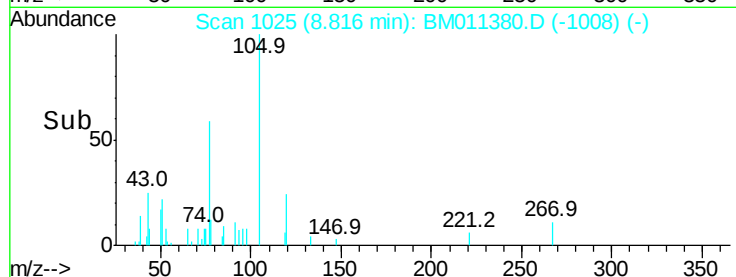
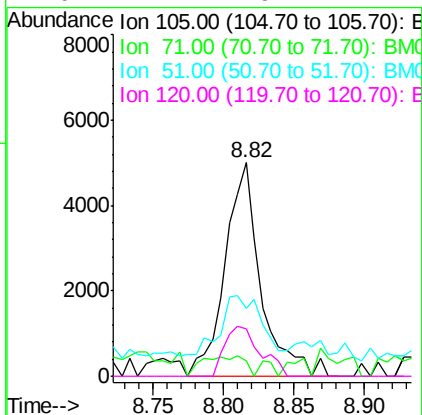
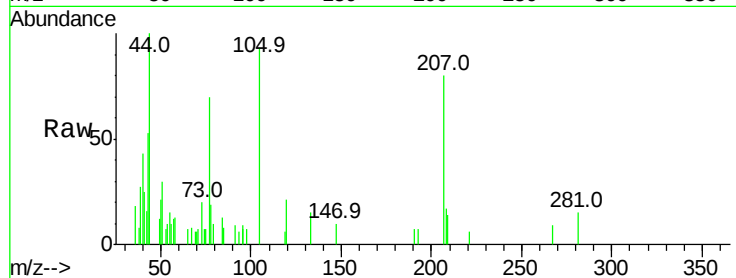
Acq: 31 Aug 2017 20:07

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	105	Resp:	8823
Ion Ratio	Lower	Upper	
105	100		
71	7.4	0.6	1.0#
51	32.0	21.6	32.4
120	22.2	16.1	24.1



#23

Nitrobenzene-d5

Concen: 97.289 ng

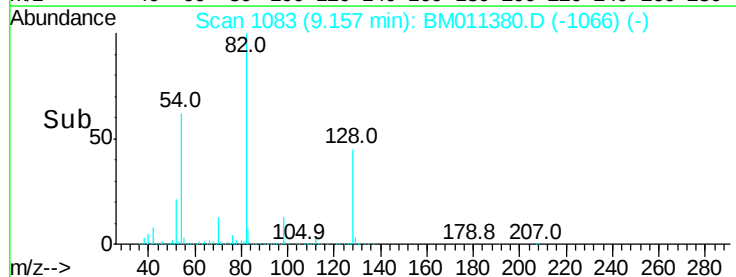
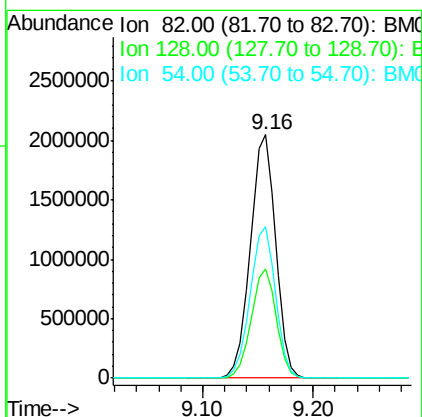
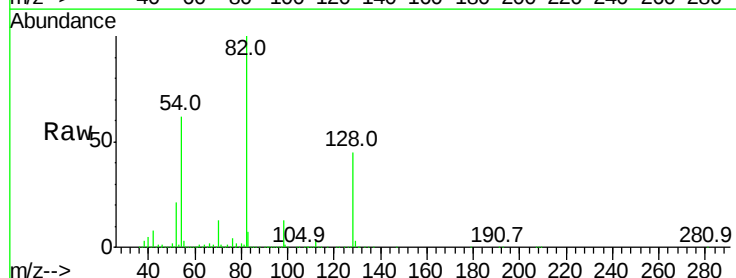
RT: 9.16 min Scan# 1083

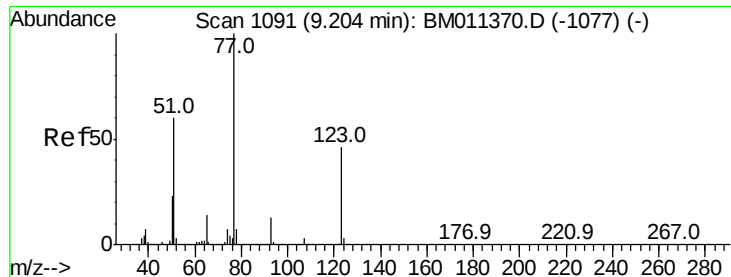
Delta R.T. -0.00 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

Tgt Ion:	82	Resp:	3306765
Ion Ratio	Lower	Upper	
82	100		
128	44.6	32.8	49.2
54	62.2	40.6	60.8#





#24

Nitrobenzene

Concen: 0.015 ng

RT: 9.23 min Scan# 1096

Delta R.T. 0.03 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

Instrument :

BNA_M

ClientSampleId :

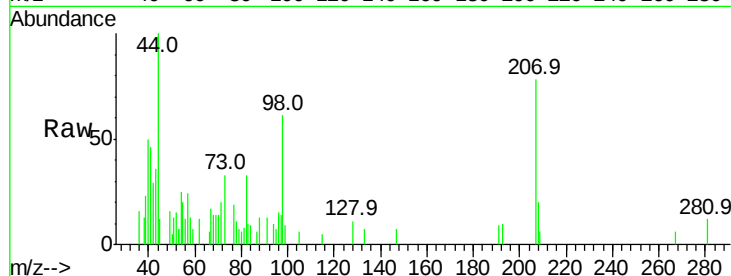
Tot Ion: 77 Resp: 568

Ion Ratio Lower Upper

77 100

123 0.0 32.6 49.0#

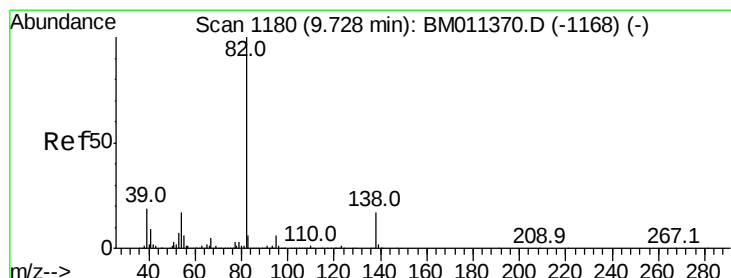
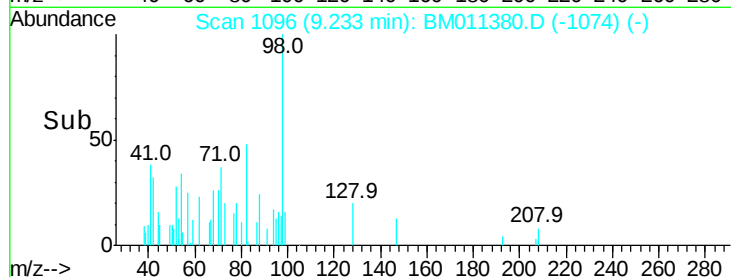
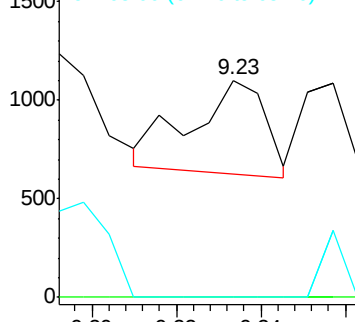
65 0.0 10.9 16.3#



Abundance Ion 77.00 (76.70 to 77.70): BM011370.D (-1077) (-)

Ion 123.00 (122.70 to 123.70): BM011370.D (-1077) (-)

Ion 65.00 (64.70 to 65.70): BM011370.D (-1077) (-)



#25

Isophorone

Concen: 0.009 ng

RT: 9.72 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

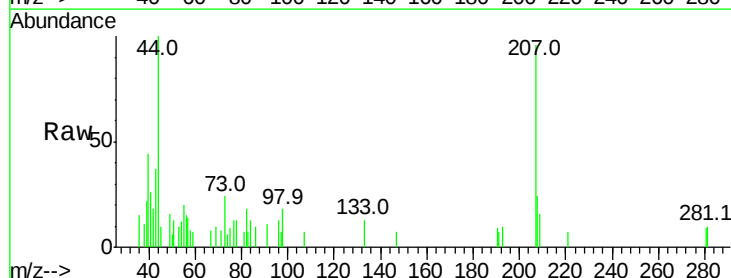
Tgt Ion: 82 Resp: 695

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

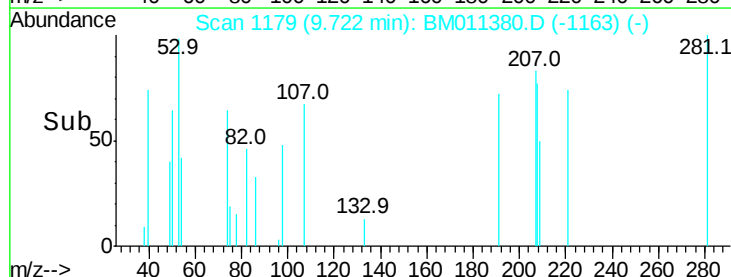
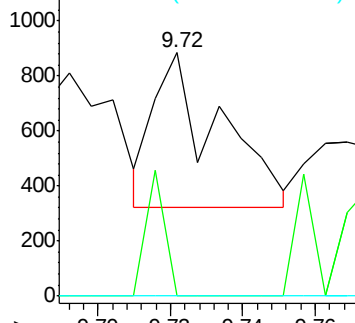
138 0.0 16.3 24.5#

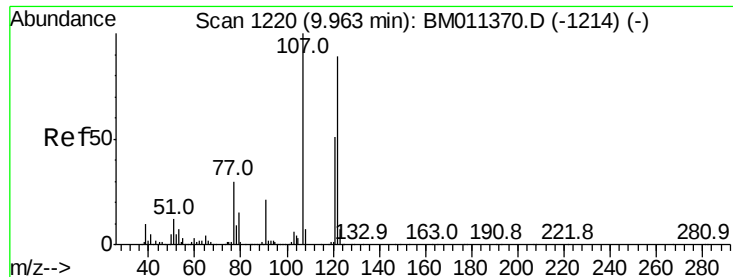


Abundance Ion 82.00 (81.70 to 82.70): BM011370.D (-1168) (-)

Ion 95.00 (94.70 to 95.70): BM011370.D (-1168) (-)

Ion 138.00 (137.70 to 138.70): BM011370.D (-1168) (-)

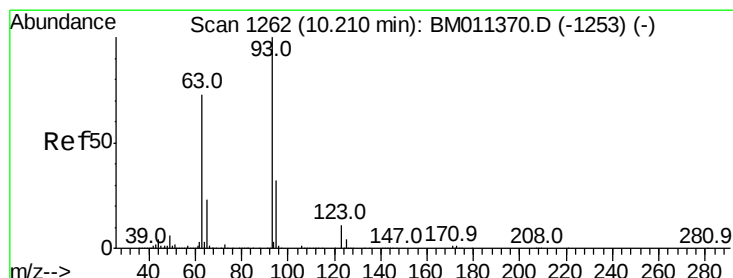
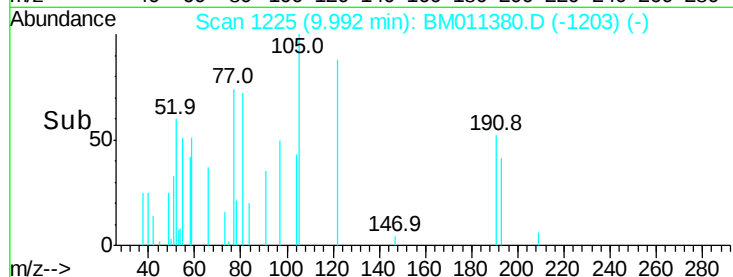
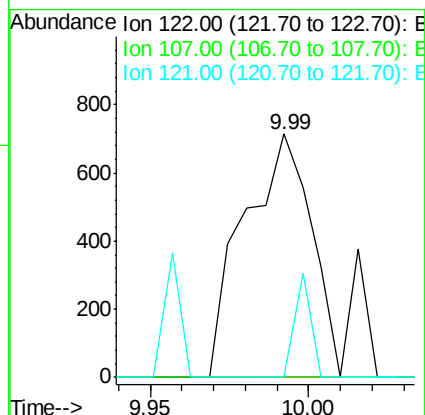
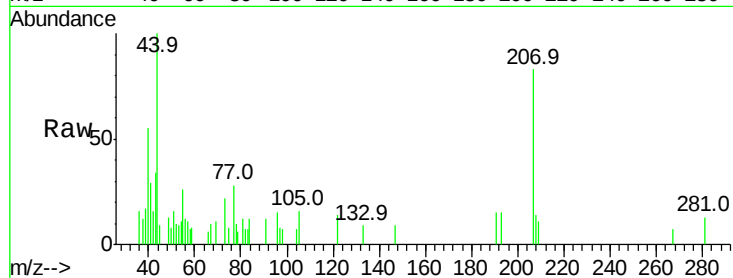




#27
2,4-Dimethylphenol
Concen: 0.030 ng
RT: 9.99 min Scan# 1225
Delta R.T. 0.03 min
Lab File: BM011380.D
Acq: 31 Aug 2017 20:07

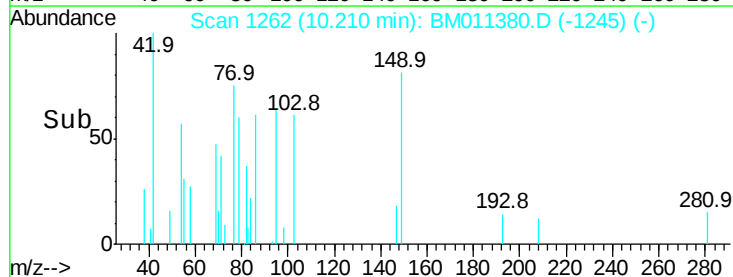
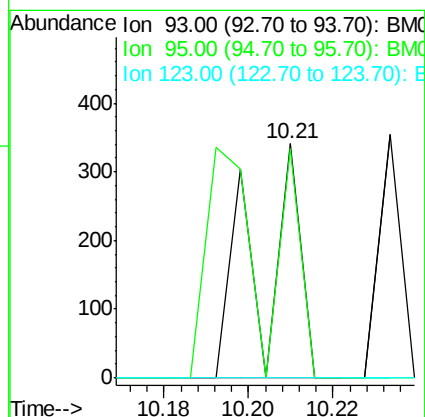
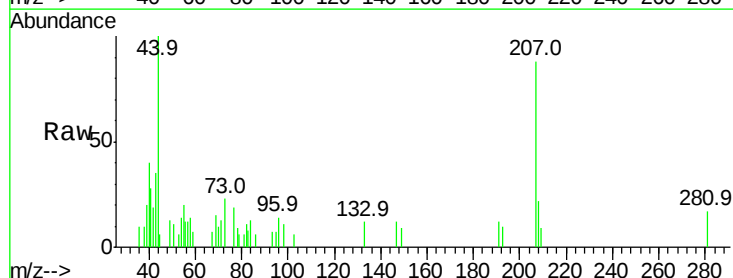
Instrument :
BNA_M
ClientSampled :

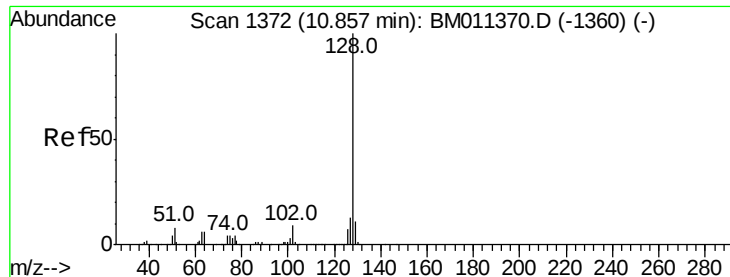
Tot Ion:122 Resp: 1057
Ion Ratio Lower Upper
122 100
107 0.0 84.7 127.1#
121 0.0 46.6 69.8#



#28
bis(2-Chloroethoxy)methane
Concen: 0.004 ng
RT: 10.21 min Scan# 1262
Delta R.T. -0.00 min
Lab File: BM011380.D
Acq: 31 Aug 2017 20:07

Tgt Ion: 93 Resp: 228
Ion Ratio Lower Upper
93 100
95 97.7 25.5 38.3#
123 0.0 8.6 13.0#





#31

Naphthalene

Concen: 0.009 ng

RT: 10.86 min Scan# 1372

Delta R.T. -0.00 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

Instrument :

BNA_M

ClientSampled :

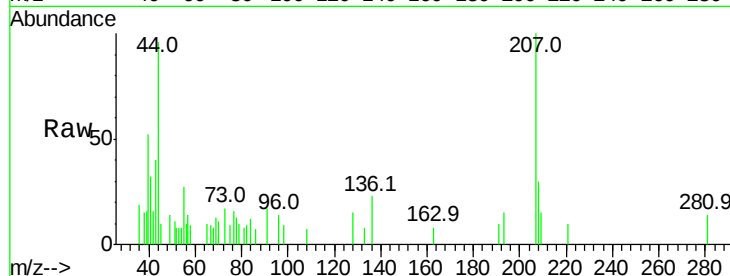
Tot Ion:128 Resp: 1108

Ion Ratio Lower Upper

128 100

129 0.0 8.9 13.3#

127 0.0 10.4 15.6#



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

10.86

800

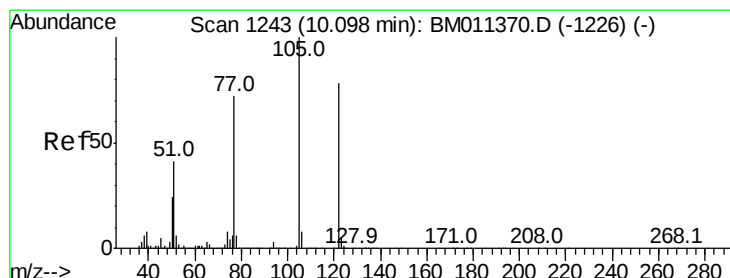
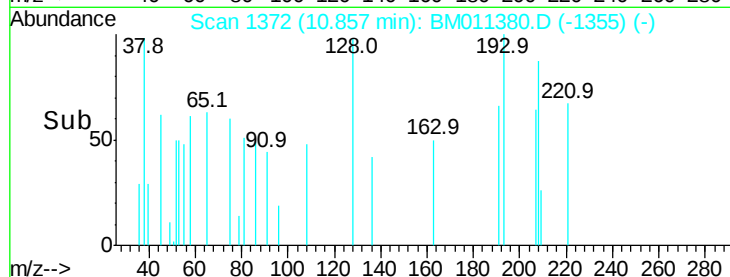
600

400

200

0

Time--> 10.80 10.85 10.90



#32

Benzoic acid

Concen: 6.578 ng

RT: 9.99 min Scan# 1225

Delta R.T. -0.11 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

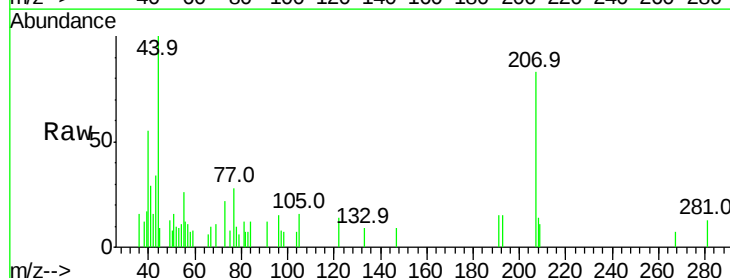
Tgt Ion:122 Resp: 1057

Ion Ratio Lower Upper

122 100

105 114.3 99.9 139.9

77 193.7 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

2000

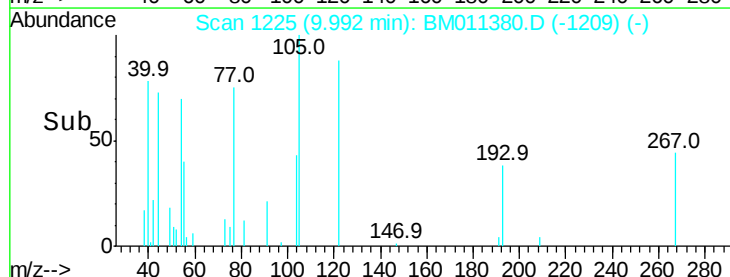
1500

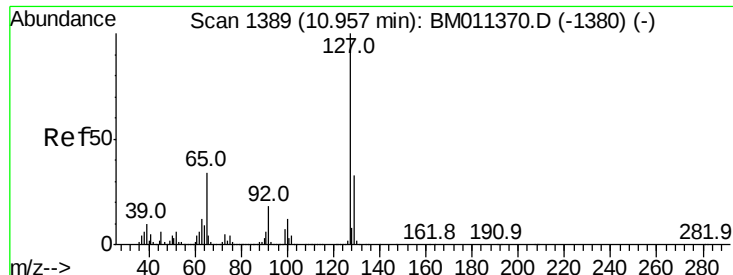
1000

500

0

Time--> 9.95 10.00

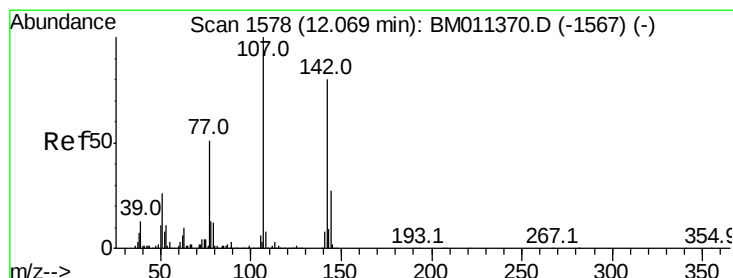
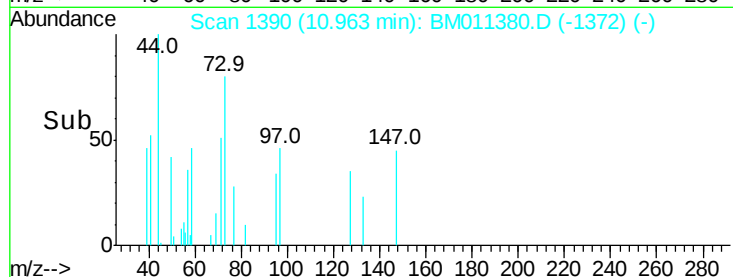
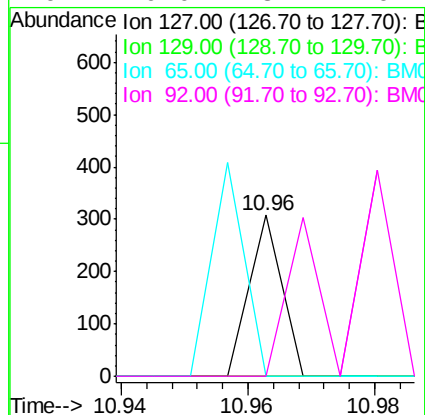
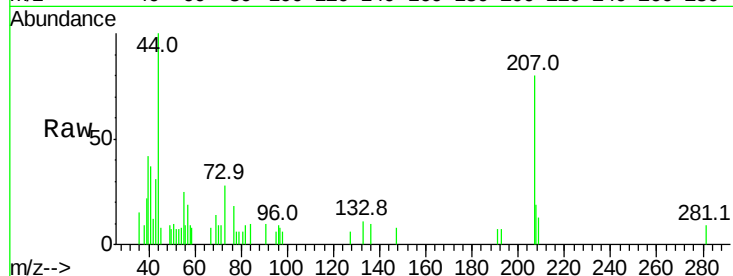




#33
4-Chloroaniline
Concen: 0.002 ng
RT: 10.96 min Scan# 1390
Delta R.T. 0.01 min
Lab File: BM011380.D
Acq: 31 Aug 2017 20:07

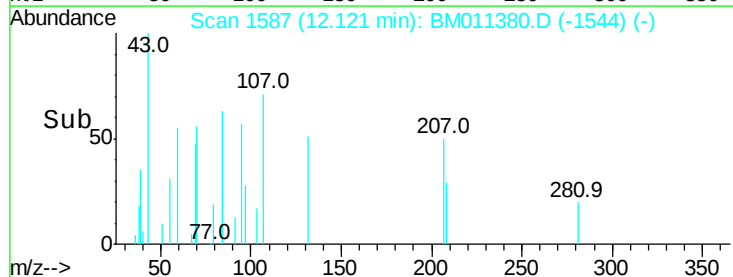
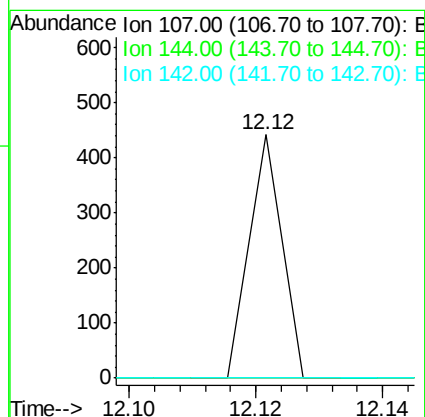
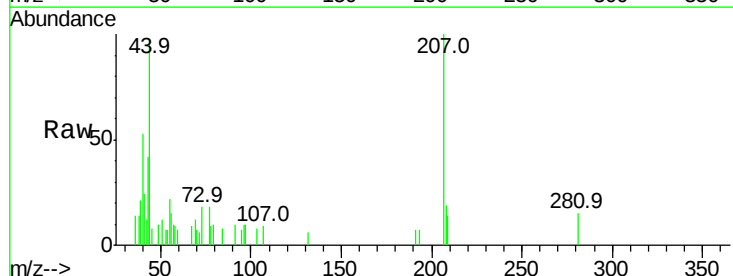
Instrument :
BNA_M
ClientSampleId :

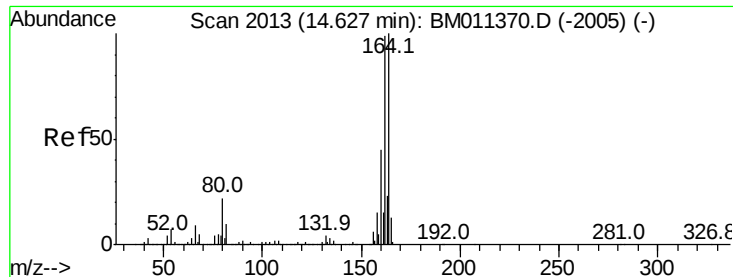
Tot Ion:127 Resp: 109
Ion Ratio Lower Upper
127 100
129 0.0 25.3 37.9#
65 0.0 17.6 26.4#
92 0.0 13.1 19.7#



#36
4-Chloro-3-methylphenol
Concen: 0.004 ng
RT: 12.12 min Scan# 1587
Delta R.T. 0.05 min
Lab File: BM011380.D
Acq: 31 Aug 2017 20:07

Tgt Ion:107 Resp: 156
Ion Ratio Lower Upper
107 100
144 0.0 23.3 34.9#
142 0.0 72.6 109.0#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.62 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

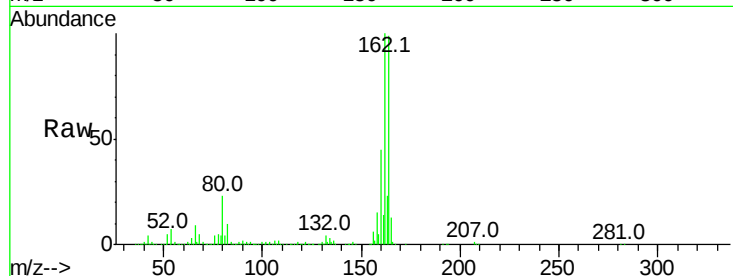
Instrument :

BNA_M

ClientSampleId :

Tot Ion:164 Resp: 1296122

Ion	Ratio	Lower	Upper
164	100		
162	101.3	82.4	123.6
160	45.8	35.8	53.6

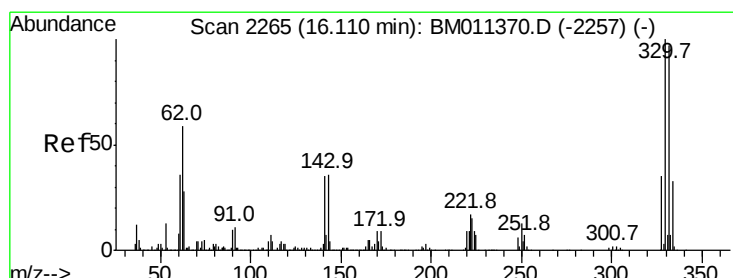
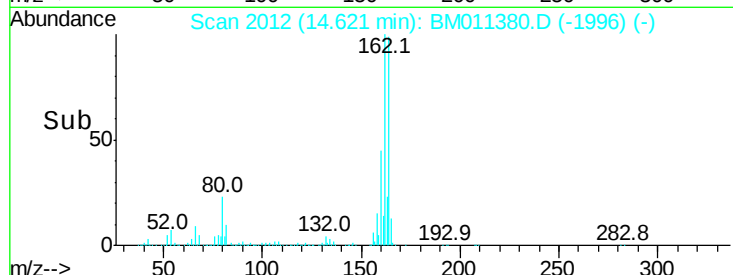
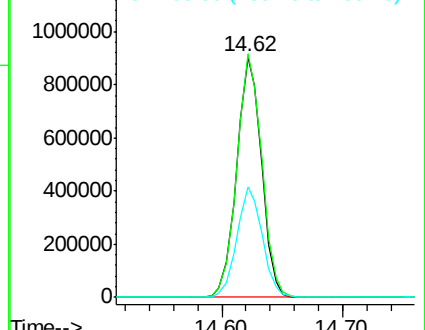


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 149.885 ng

RT: 16.11 min Scan# 2265

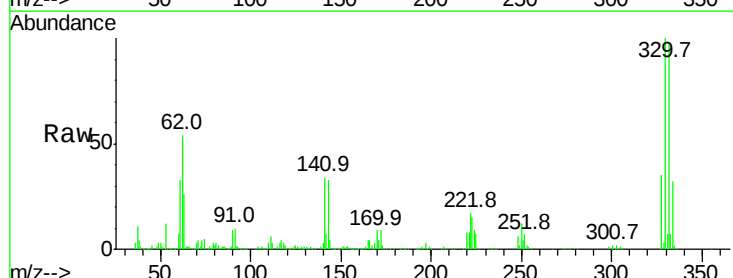
Delta R.T. -0.00 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

Tgt Ion:330 Resp: 2247617

Ion	Ratio	Lower	Upper
330	100		
332	97.1	0.0	0.0#
141	37.8	0.0	0.0#

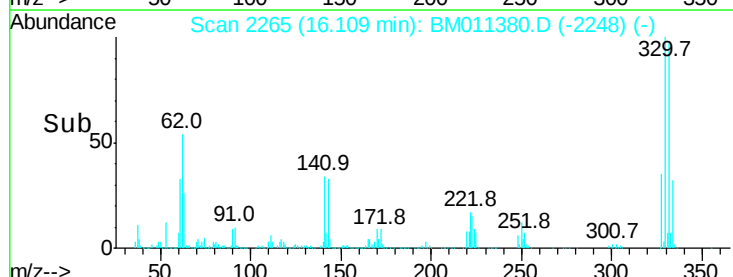
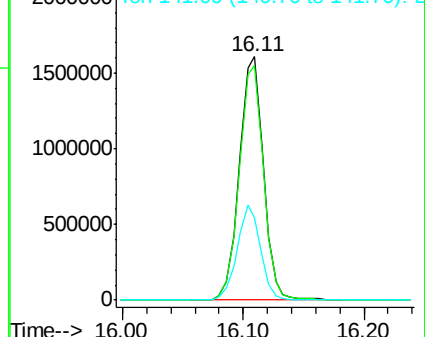


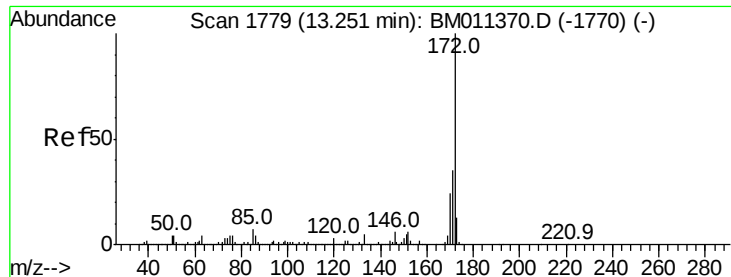
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



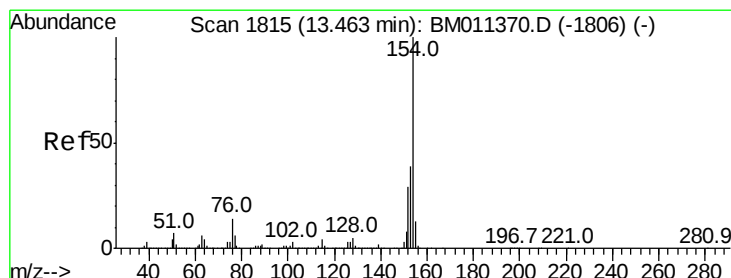
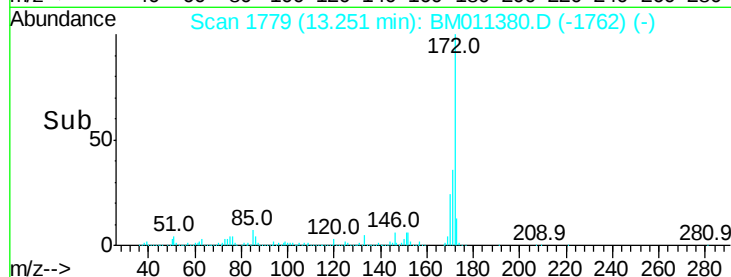
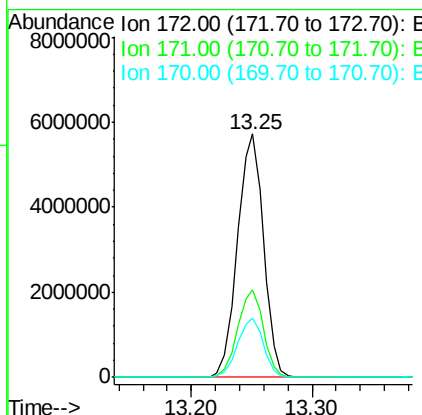
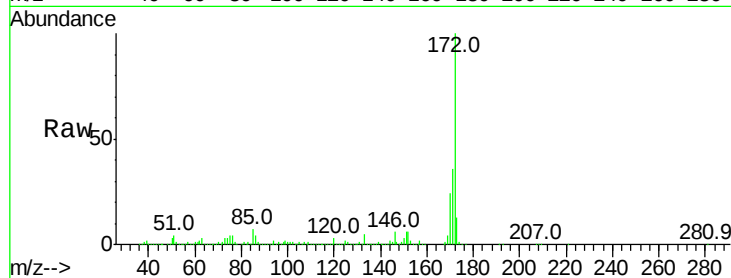


#44
 2-Fluorobiphenyl
 Concen: 95.658 ng
 RT: 13.25 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: BM011380.D
 Acq: 31 Aug 2017 20:07

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:172 Resp: 8601186

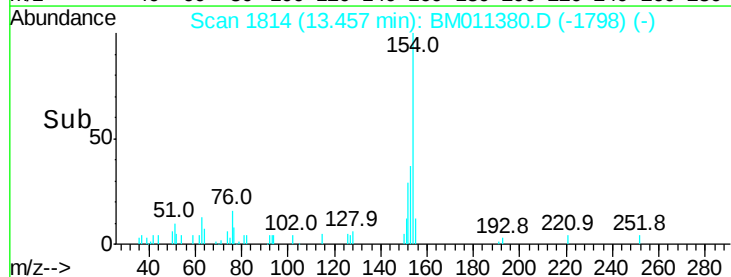
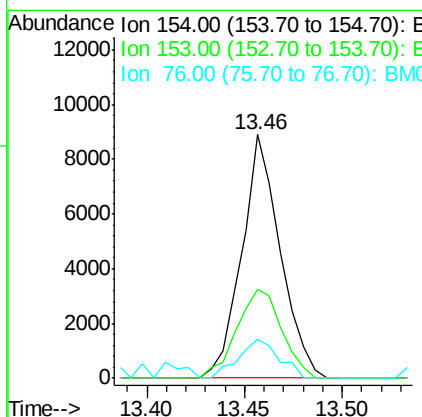
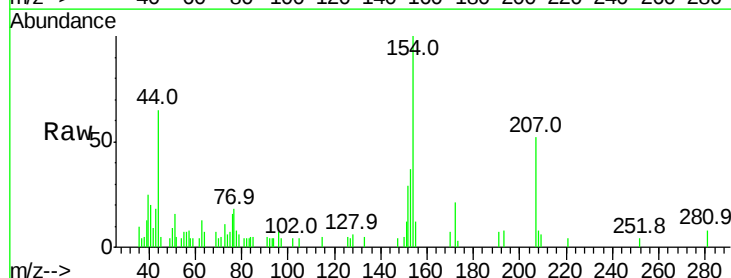
Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.5	42.7
170	24.4	18.8	28.2

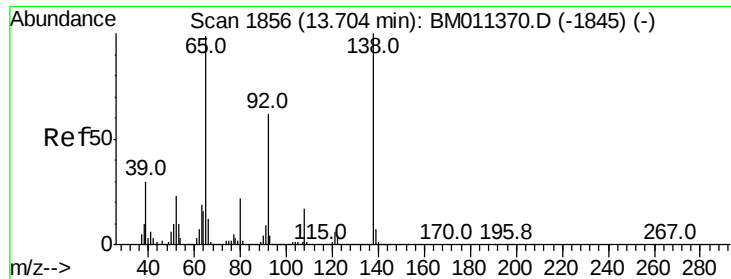


#45
 1,1'-Biphenyl
 Concen: 0.105 ng
 RT: 13.46 min Scan# 1814
 Delta R.T. -0.01 min
 Lab File: BM011380.D
 Acq: 31 Aug 2017 20:07

Tgt Ion:154 Resp: 12133

Ion	Ratio	Lower	Upper
154	100		
153	36.5	20.7	60.7
76	15.7	0.0	30.9

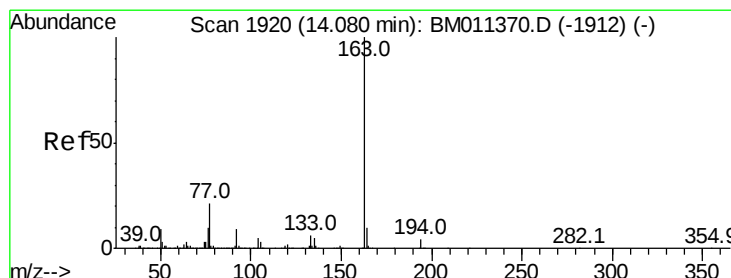
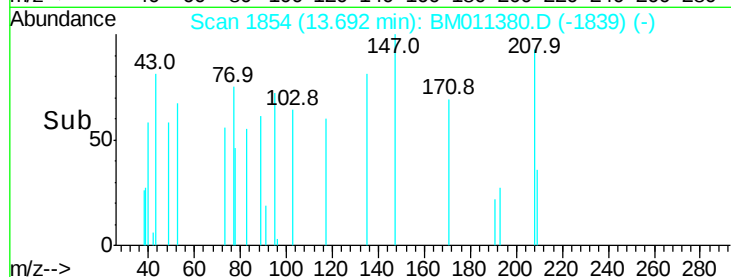
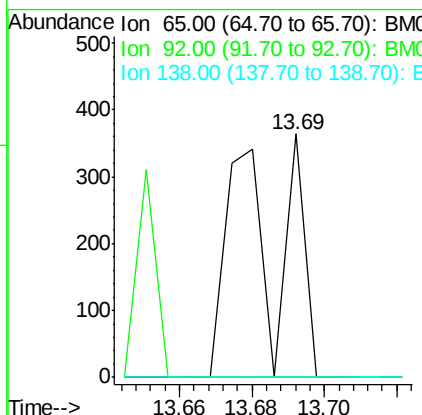
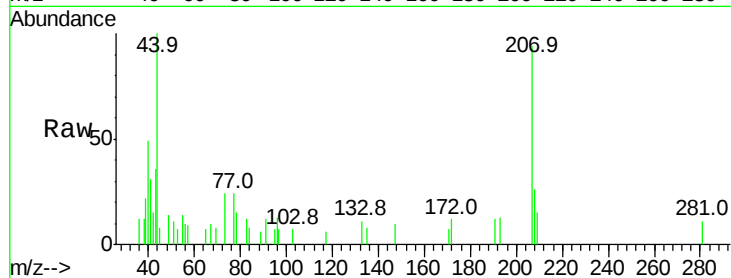




#47
 2-Nitroaniline
 Concen: 5.449 ng
 RT: 13.69 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BM011380.D
 Acq: 31 Aug 2017 20:07

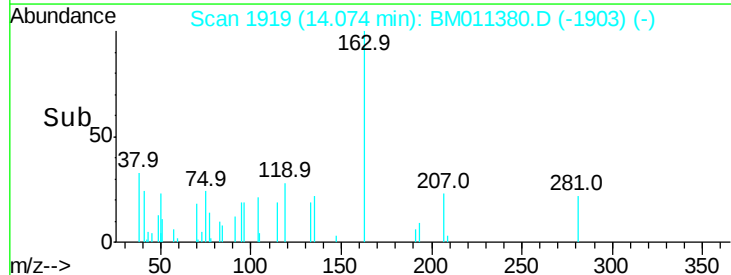
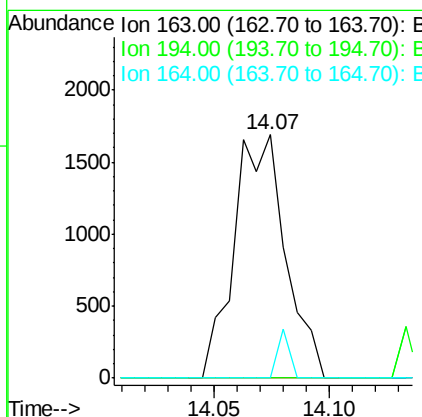
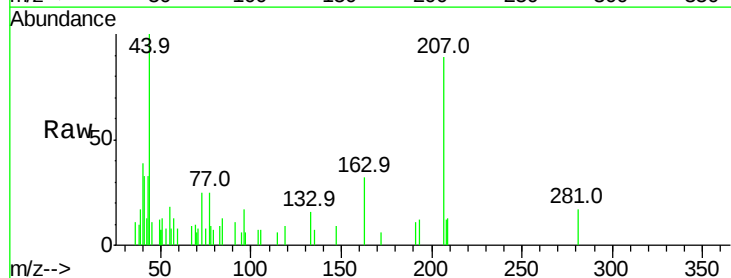
Instrument :
 BNA_M
 ClientSampled :

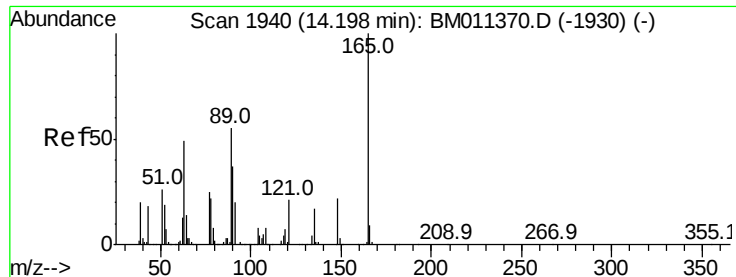
Tot Ion	Ratio	Lower	Upper
65	100		
92	0.0	59.1	88.7#
138	0.0	93.9	140.9#



#49
 Dimethylphthalate
 Concen: 0.025 ng
 RT: 14.07 min Scan# 1919
 Delta R.T. -0.01 min
 Lab File: BM011380.D
 Acq: 31 Aug 2017 20:07

Tgt Ion	Ratio	Lower	Upper
163	100		
194	0.0	2.7	4.1#
164	0.0	8.2	12.2#

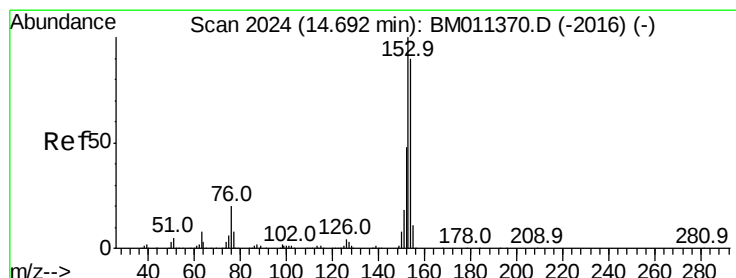
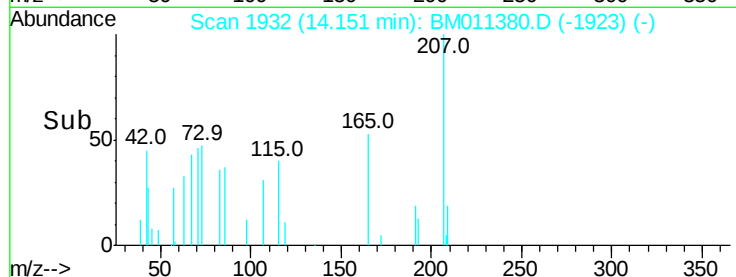
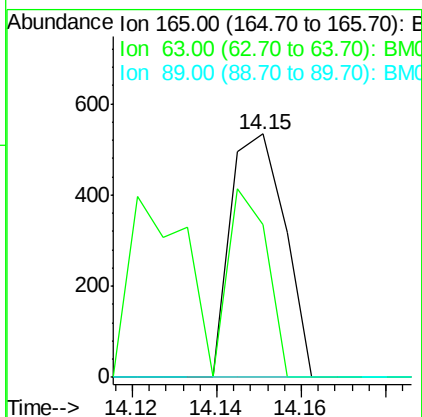
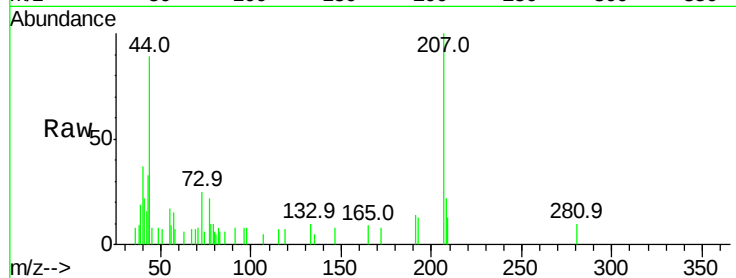




#50
2,6-Dinitrotoluene
Concen: 0.024 ng
RT: 14.15 min Scan# 1932
Delta R.T. -0.05 min
Lab File: BM011380.D
Acq: 31 Aug 2017 20:07

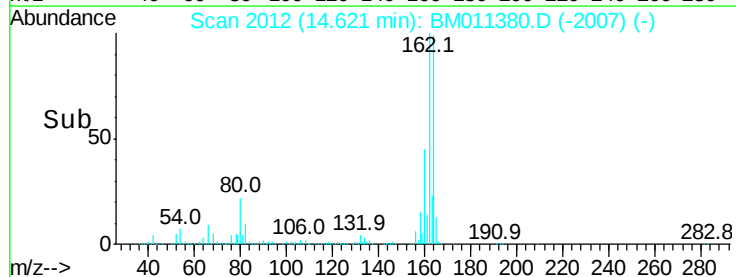
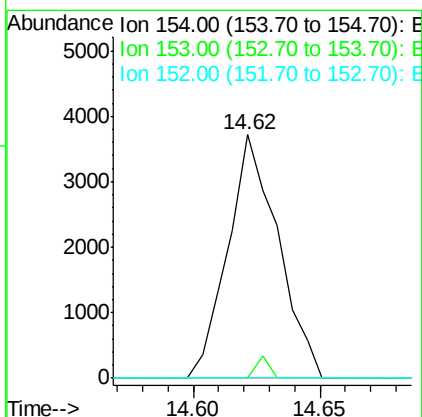
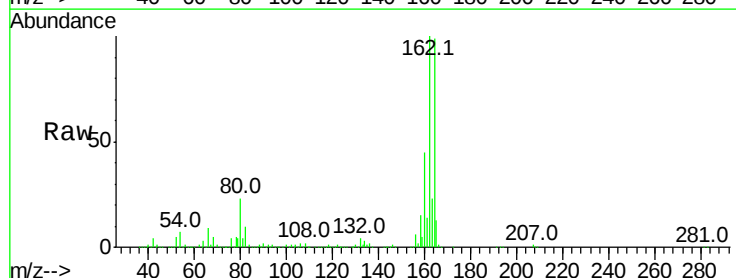
Instrument :
BNA_M
ClientSampled :

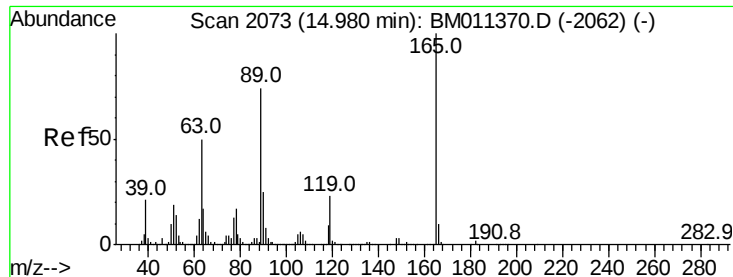
Tot Ion:165 Resp: 475
Ion Ratio Lower Upper
165 100
63 62.7 44.1 66.1
89 0.0 44.3 66.5#



#51
Acenaphthene
Concen: 0.059 ng
RT: 14.62 min Scan# 2012
Delta R.T. -0.07 min
Lab File: BM011380.D
Acq: 31 Aug 2017 20:07

Tgt Ion:154 Resp: 5120
Ion Ratio Lower Upper
154 100
153 0.0 90.0 135.0#
152 0.0 42.6 63.8#

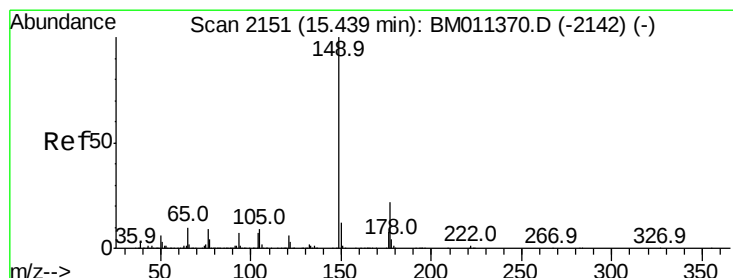
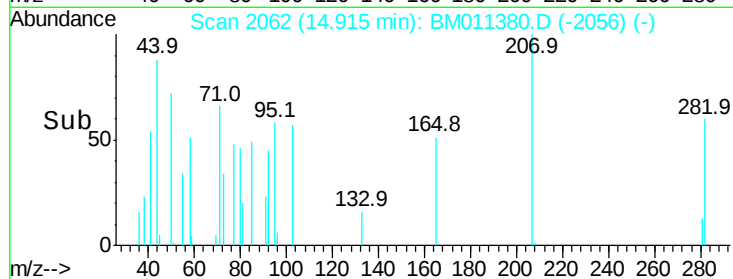
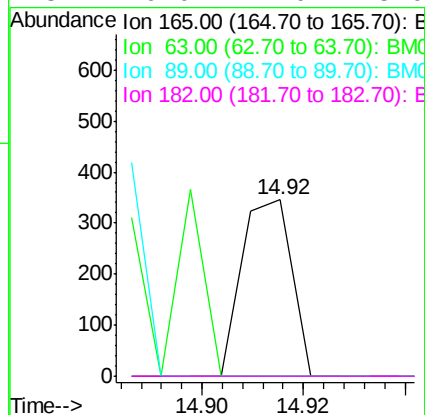
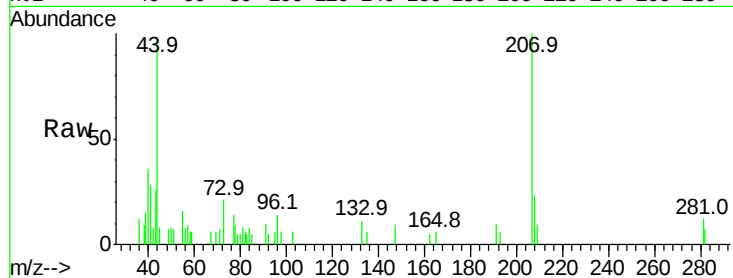




#56
2,4-Dinitrotoluene
Concen: 5.147 ng
RT: 14.92 min Scan# 2062
Delta R.T. -0.06 min
Lab File: BM011380.D
Acq: 31 Aug 2017 20:07

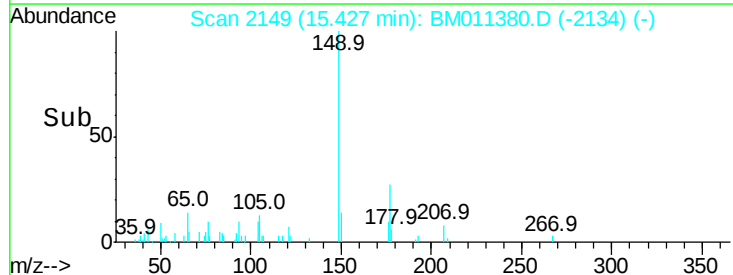
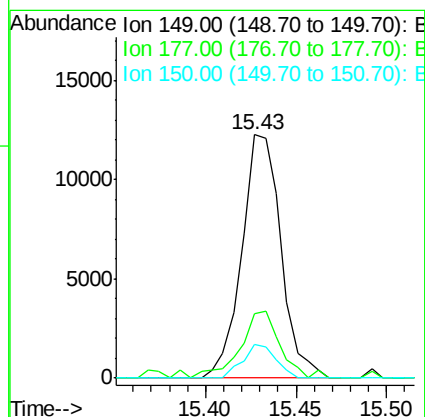
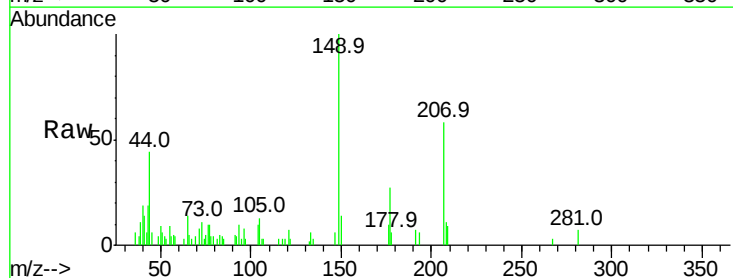
Instrument :
BNA_M
ClientSampleId :

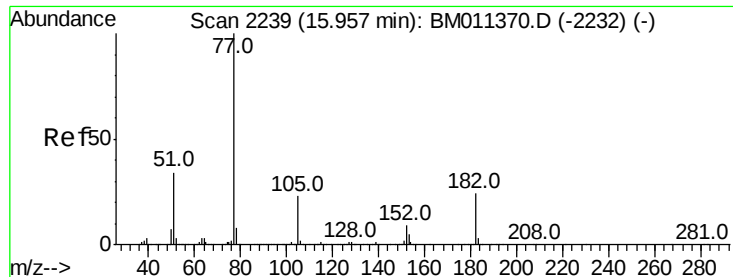
Tot Ion:165 Resp: 236
Ion Ratio Lower Upper
165 100
63 0.0 52.4 78.6#
89 0.0 72.4 108.6#
182 0.0 2.0 3.0#



#59
Diethylphthalate
Concen: 0.174 ng
RT: 15.43 min Scan# 2149
Delta R.T. -0.01 min
Lab File: BM011380.D
Acq: 31 Aug 2017 20:07

Tgt Ion:149 Resp: 18423
Ion Ratio Lower Upper
149 100
177 26.5 18.3 27.5
150 13.8 9.8 14.8





#62

Azobenzene

Concen: 0.006 ng

RT: 15.96 min Scan# 2240

Delta R.T. 0.01 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

Instrument :

BNA_M

ClientSampled :

Tot Ion: 77 Resp: 553

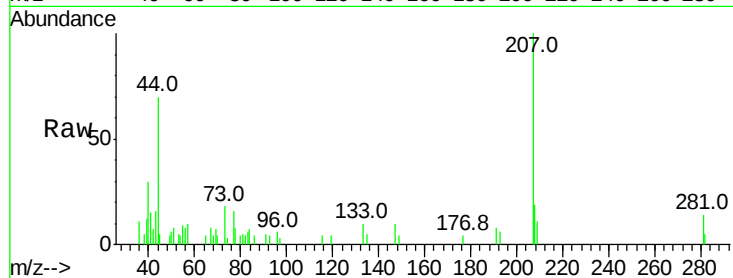
Ion Ratio Lower Upper

77 100

182 0.0 6.5 46.5#

105 0.0 3.8 43.8#

51 50.8 5.5 45.5#

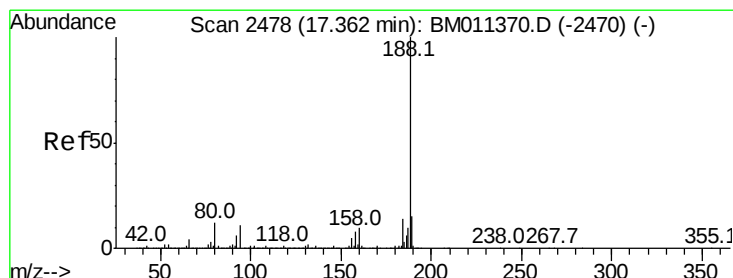
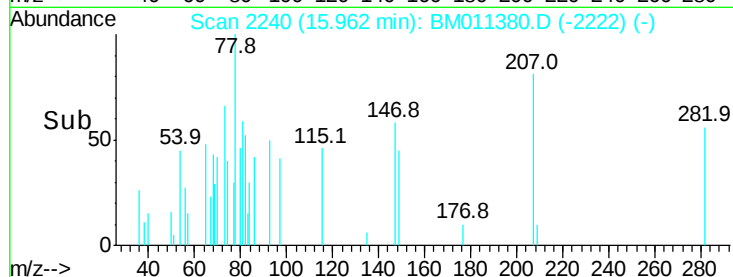
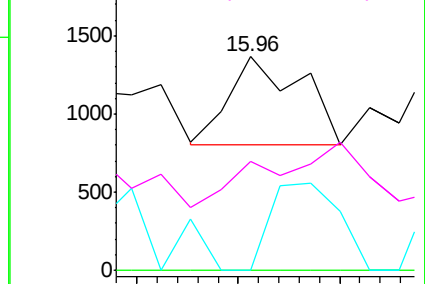


Abundance Ion 77.00 (76.70 to 77.70): BM011370.D (-2232) (-)

Ion 182.00 (181.70 to 182.70): BM011370.D (-2232) (-)

Ion 105.00 (104.70 to 105.70): BM011370.D (-2232) (-)

Ion 51.00 (50.70 to 51.70): BM011370.D (-2232) (-)



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.36 min Scan# 2478

Delta R.T. -0.00 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

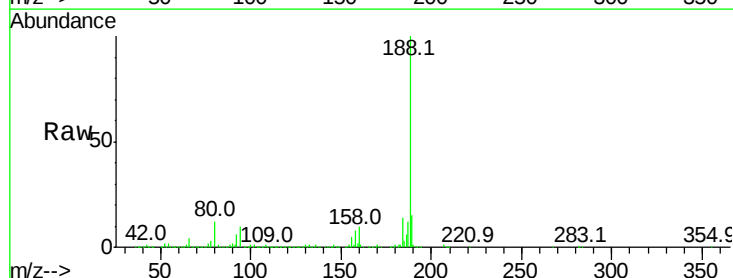
Tgt Ion: 188 Resp: 2932730

Ion Ratio Lower Upper

188 100

94 10.5 8.7 13.1

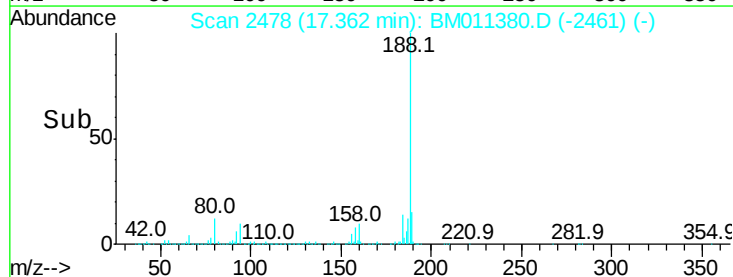
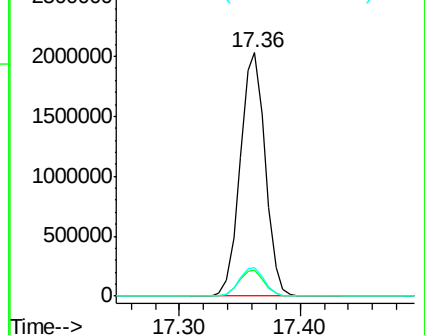
80 11.6 9.3 13.9

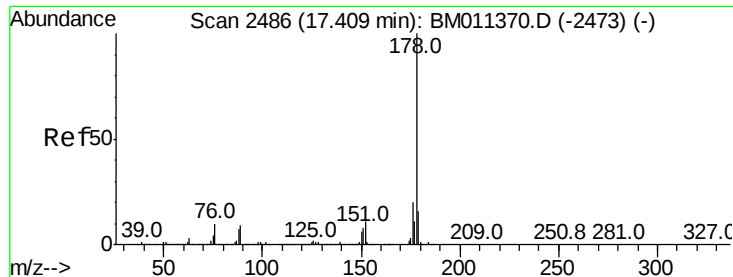


Abundance Ion 188.00 (187.70 to 188.70): BM011370.D (-2470) (-)

Ion 94.00 (93.70 to 94.70): BM011370.D (-2470) (-)

Ion 80.00 (79.70 to 80.70): BM011370.D (-2470) (-)

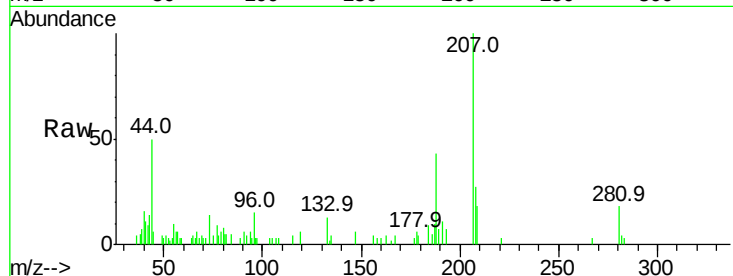




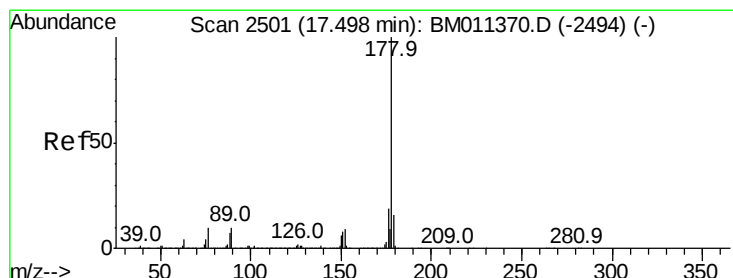
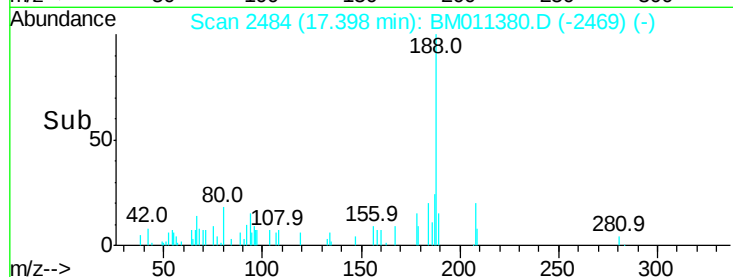
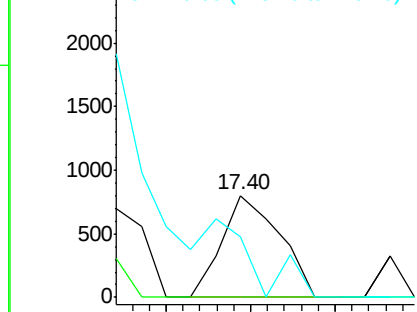
#70
Phenanthrene
Concen: 0.005 ng
RT: 17.40 min Scan# 2484
Delta R.T. -0.01 min
Lab File: BM011380.D
Acq: 31 Aug 2017 20:07

Instrument :
BNA_M
ClientSampleId :

Tot Ion:178 Resp: 761
Ion Ratio Lower Upper
178 100
176 0.0 15.2 22.8#
179 59.5 12.1 18.1#

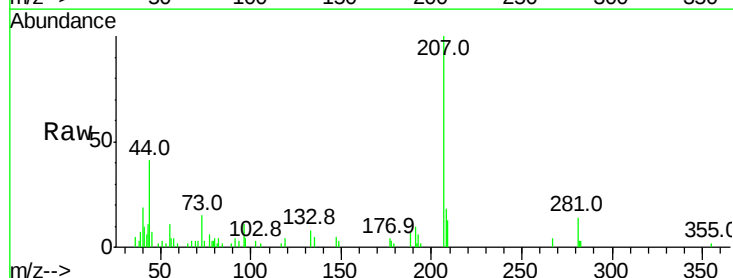


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

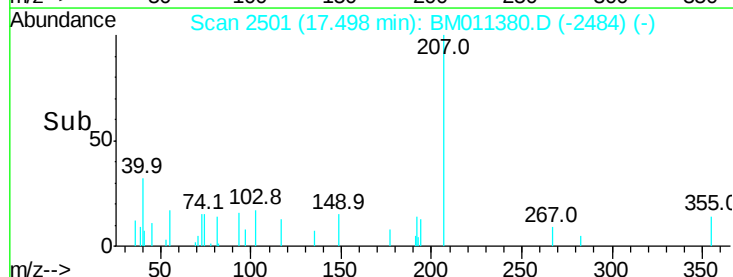
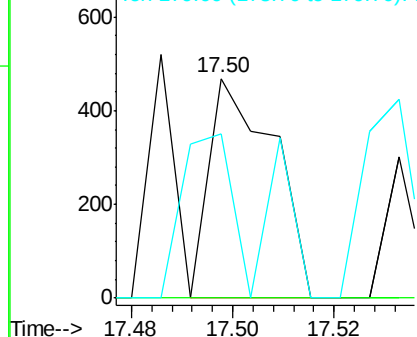


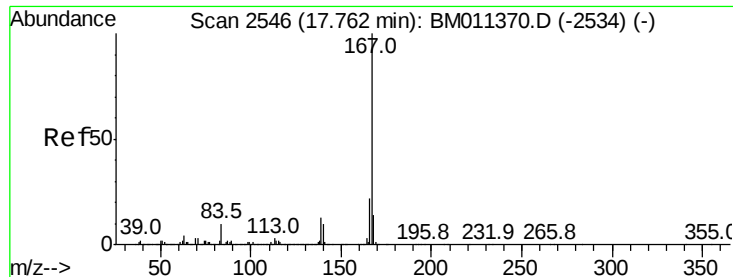
#71
Anthracene
Concen: 0.003 ng
RT: 17.50 min Scan# 2501
Delta R.T. -0.00 min
Lab File: BM011380.D
Acq: 31 Aug 2017 20:07

Tgt Ion:178 Resp: 413
Ion Ratio Lower Upper
178 100
176 0.0 14.6 22.0#
179 74.6 12.6 19.0#



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





#72

Carbazole

Concen: 0.004 ng

RT: 17.76 min Scan# 2546

Delta R.T. -0.00 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

Instrument :

BNA_M

ClientSampleId :

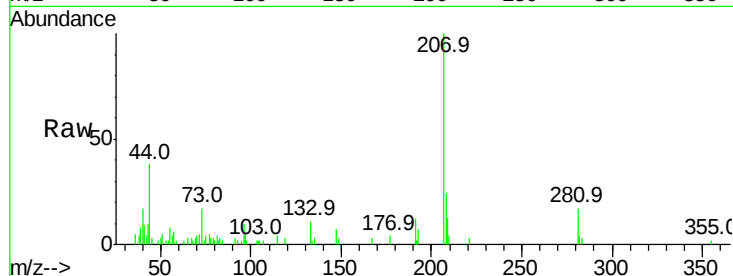
Tot Ion:167 Resp: 566

Ion Ratio Lower Upper

167 100

166 0.0 17.2 25.8#

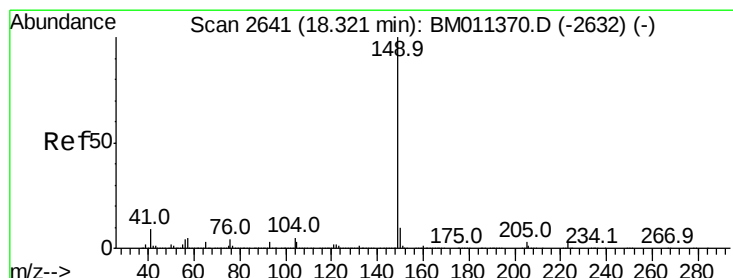
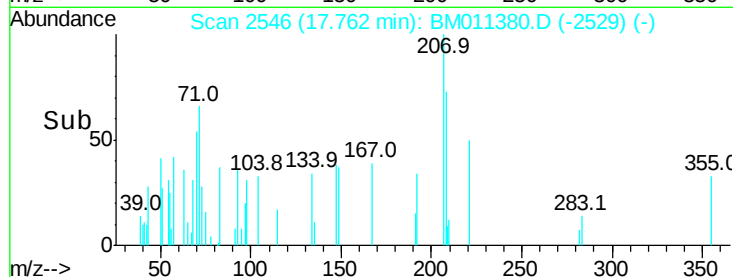
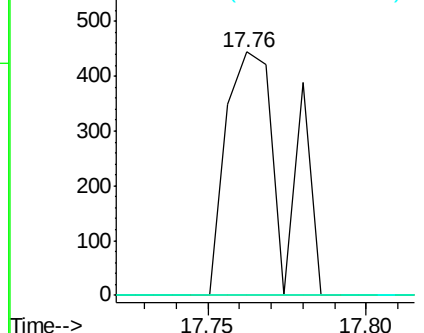
139 0.0 10.8 16.2#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 0.058 ng

RT: 18.32 min Scan# 2640

Delta R.T. -0.01 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

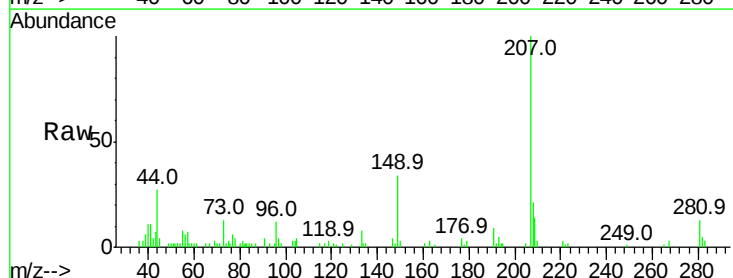
Tgt Ion:149 Resp: 10713

Ion Ratio Lower Upper

149 100

150 8.7 7.5 11.3

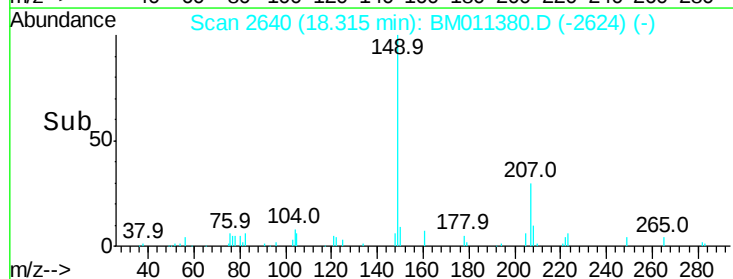
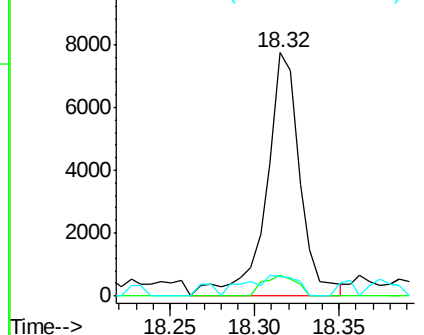
104 7.8 3.7 5.5#

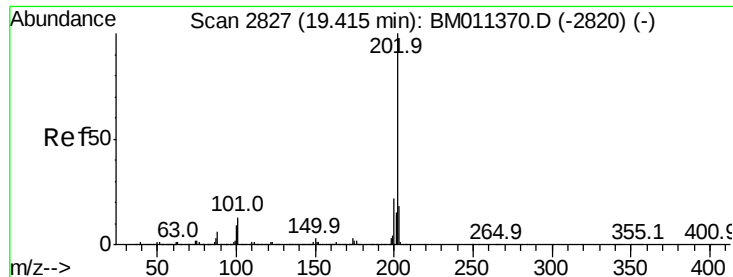


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

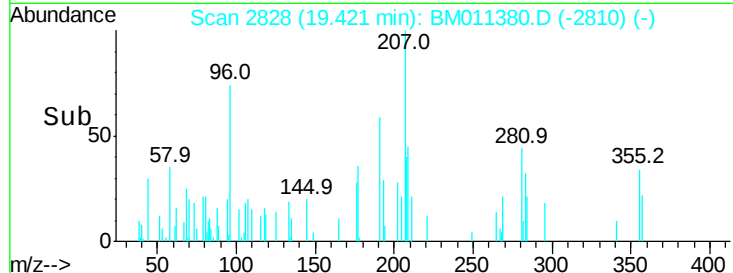
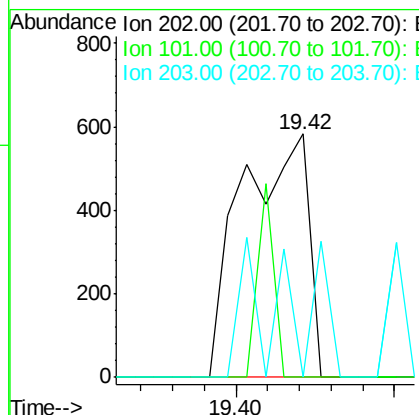
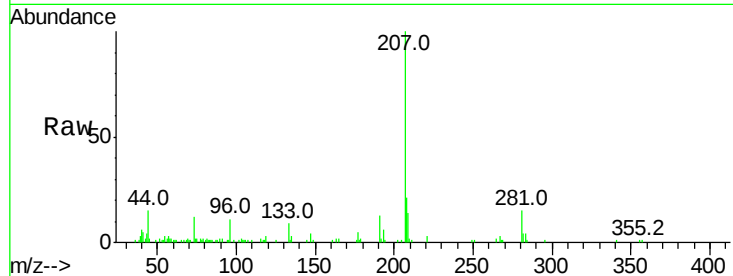




#74
 Fluoranthene
 Concen: 0.005 ng
 RT: 19.42 min Scan# 2828
 Delta R.T. 0.01 min
 Lab File: BM011380.D
 Acq: 31 Aug 2017 20:07

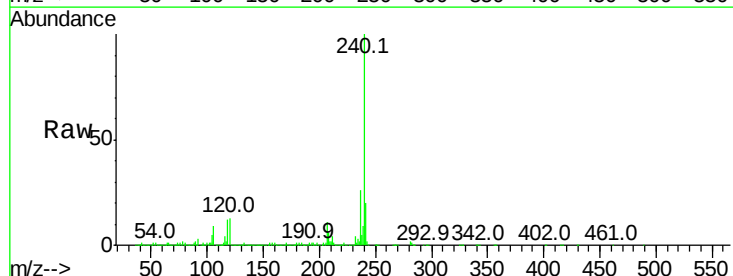
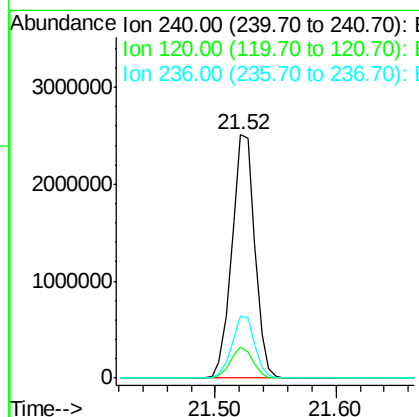
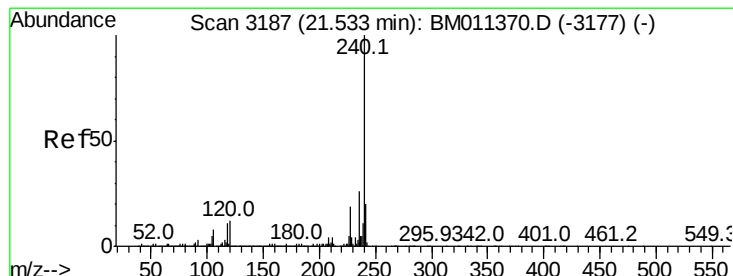
Instrument :
 BNA_M
 ClientSampleId :

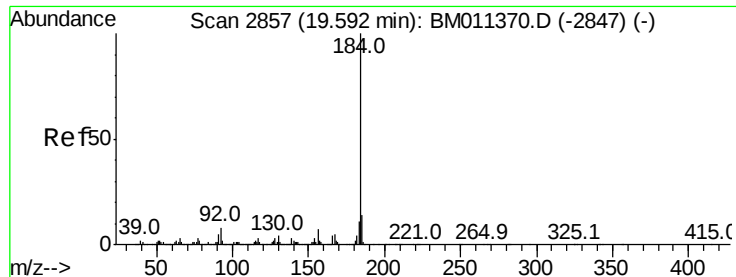
Tot Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	28.7
203	0.0	0.0	37.2



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.52 min Scan# 3185
 Delta R.T. -0.01 min
 Lab File: BM011380.D
 Acq: 31 Aug 2017 20:07

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.7	8.2	12.2#
236	25.6	20.0	30.0





#76

Benzidine

Concen: 0.014 ng

RT: 19.59 min Scan# 2857

Delta R.T. -0.00 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

Instrument :

BNA_M

ClientSampleId :

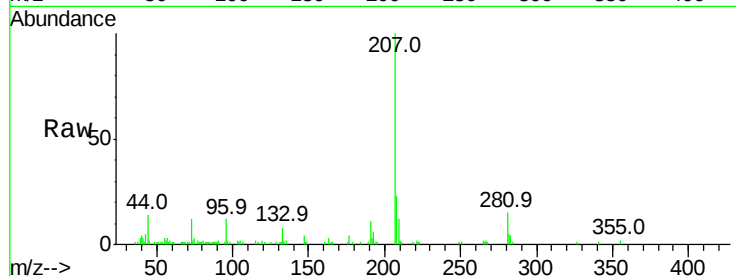
Tot Ion:184 Resp: 923

Ion Ratio Lower Upper

184 100

185 0.0 11.3 16.9#

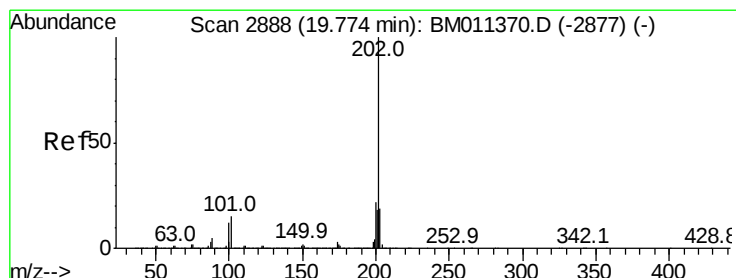
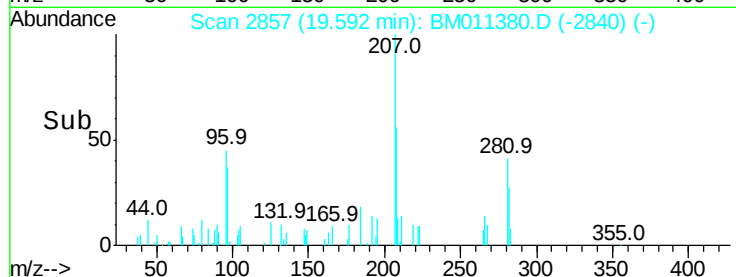
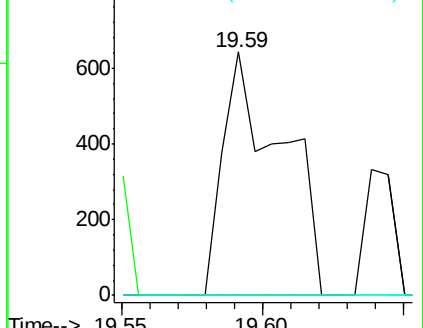
183 0.0 8.9 13.3#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 0.005 ng

RT: 19.77 min Scan# 2887

Delta R.T. -0.01 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

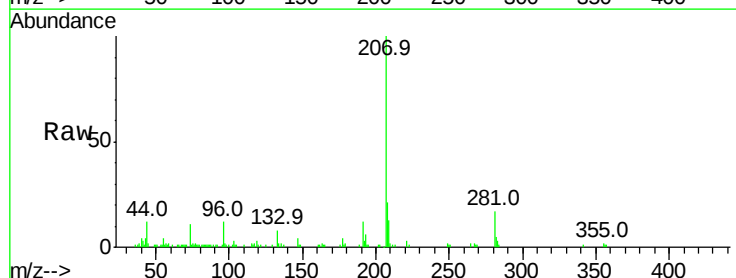
Tgt Ion:202 Resp: 956

Ion Ratio Lower Upper

202 100

200 0.0 16.9 25.3#

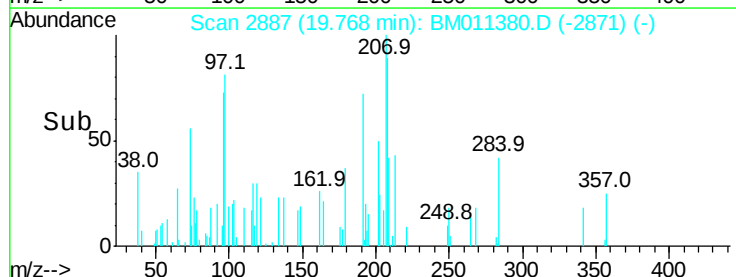
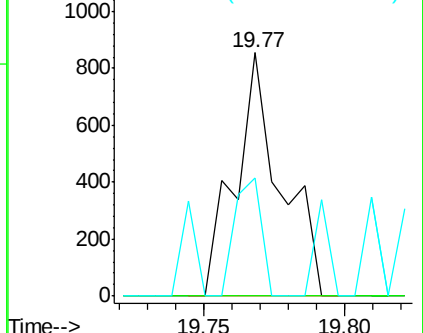
203 48.2 14.1 21.1#

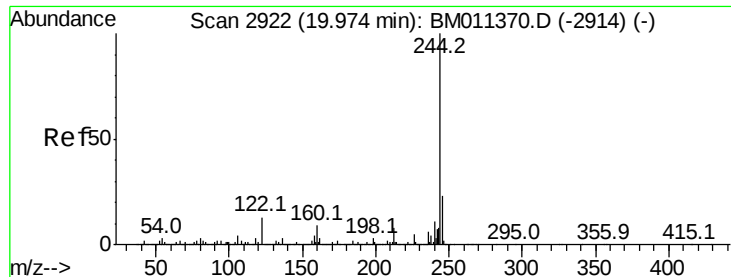


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 86.645 ng

RT: 19.97 min Scan# 2921

Delta R.T. -0.01 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

Instrument :

BNA_M

ClientSampleId :

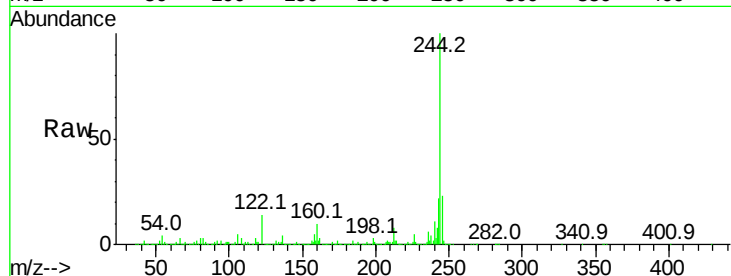
Tot Ion:244 Resp:11610876

Ion Ratio Lower Upper

244 100

212 8.4 4.9 7.3#

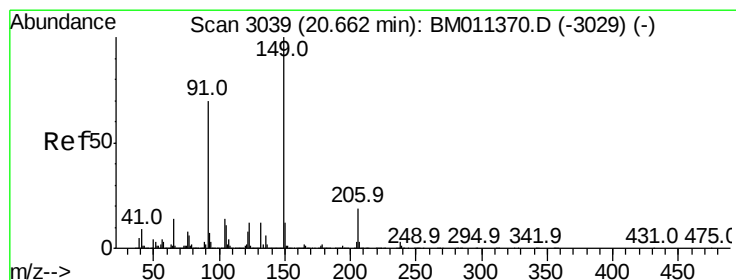
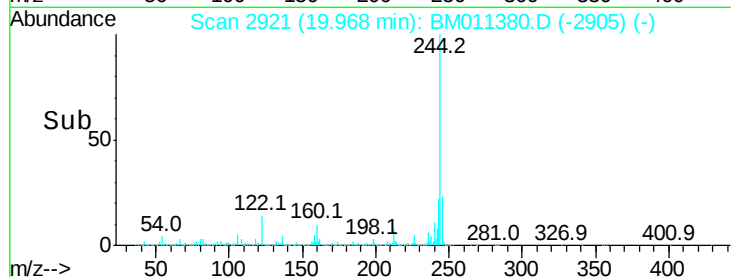
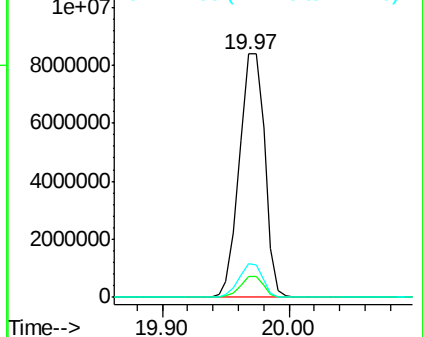
122 13.7 6.2 9.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 0.018 ng

RT: 20.66 min Scan# 3039

Delta R.T. -0.00 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

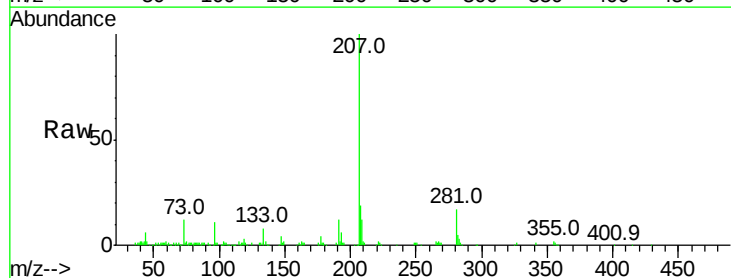
Tgt Ion:149 Resp: 1591

Ion Ratio Lower Upper

149 100

91 67.8 50.1 75.1

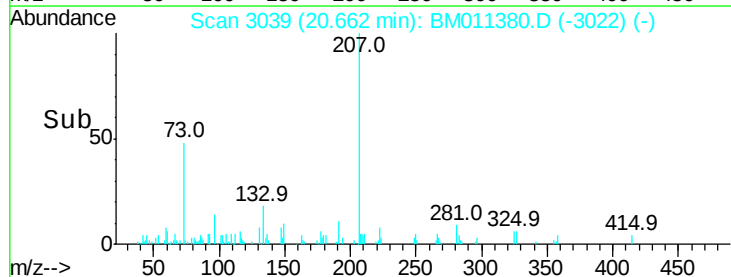
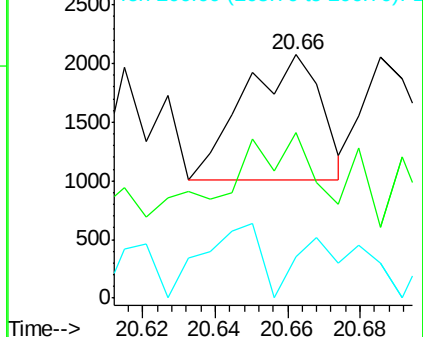
206 16.9 16.2 24.2

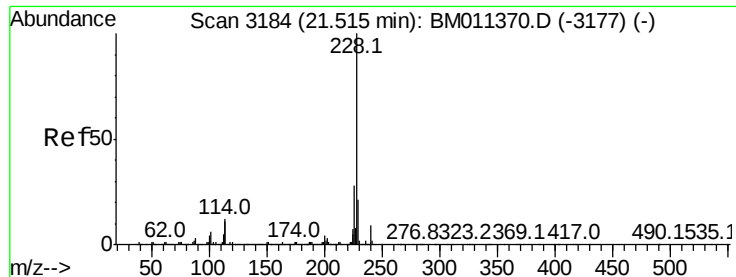


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.050 ng

RT: 21.52 min Scan# 3185

Delta R.T. 0.01 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

Instrument :

BNA_M

ClientSampleId :

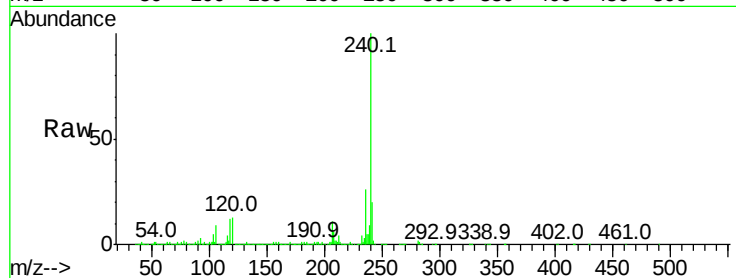
Tot Ion:228 Resp: 9236

Ion Ratio Lower Upper

228 100

226 15.0 21.7 32.5#

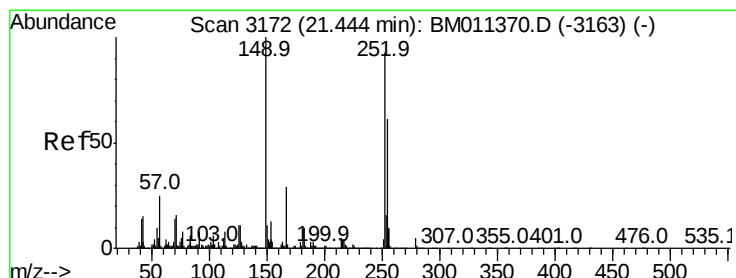
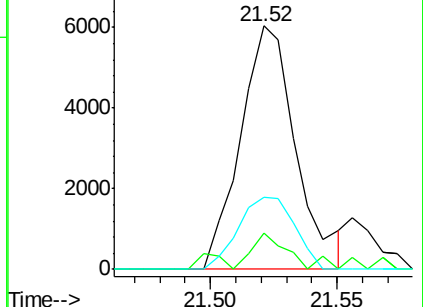
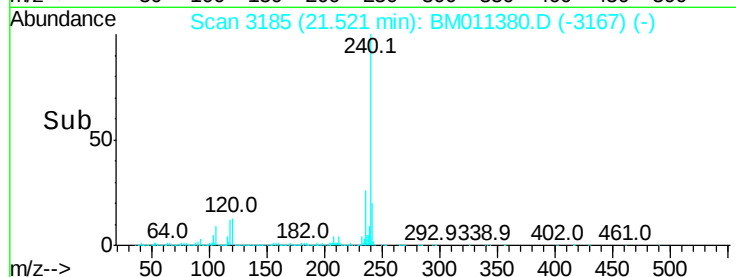
229 29.5 16.0 24.0#



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



#81

3,3'-Dichlorobenzidine

Concen: 0.003 ng

RT: 21.44 min Scan# 3171

Delta R.T. -0.01 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

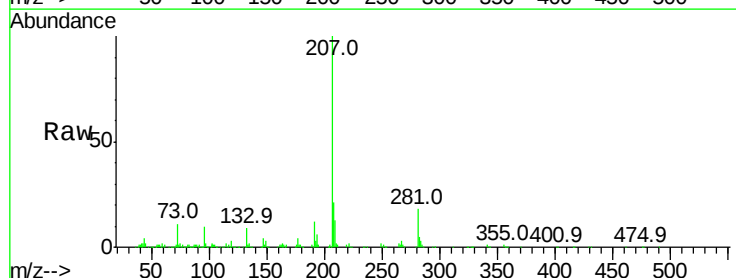
Tgt Ion:252 Resp: 244

Ion Ratio Lower Upper

252 100

254 0.0 51.9 77.9#

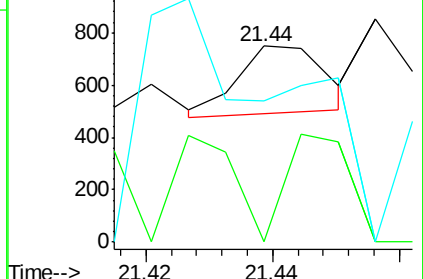
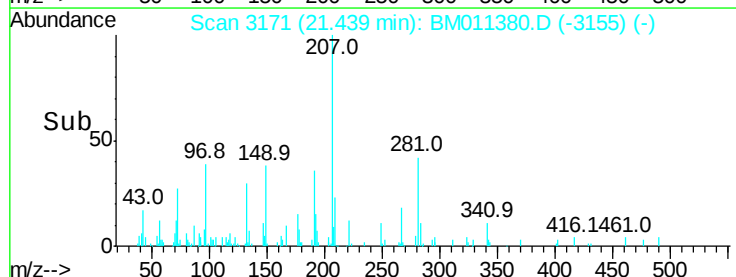
126 72.1 9.8 14.8#

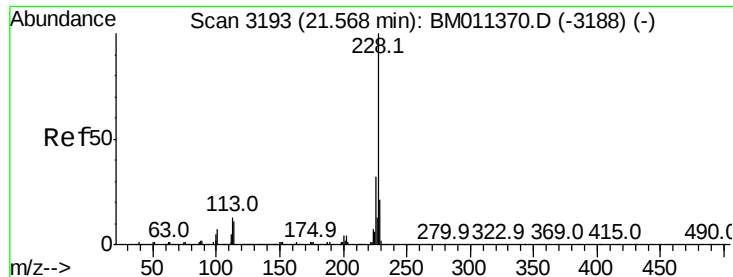


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 0.053 ng

RT: 21.52 min Scan# 3185

Delta R.T. -0.05 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

Instrument :

BNA_M

ClientSampleId :

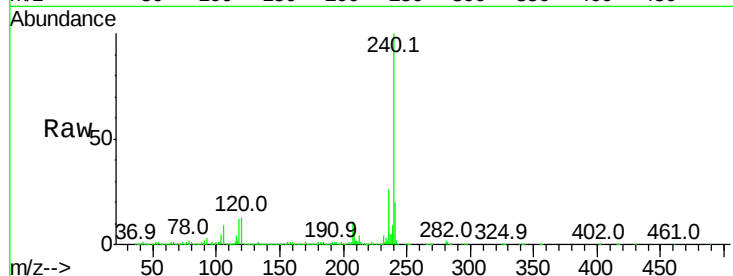
Tot Ion:228 Resp: 9236

Ion Ratio Lower Upper

228 100

226 15.0 24.1 36.1#

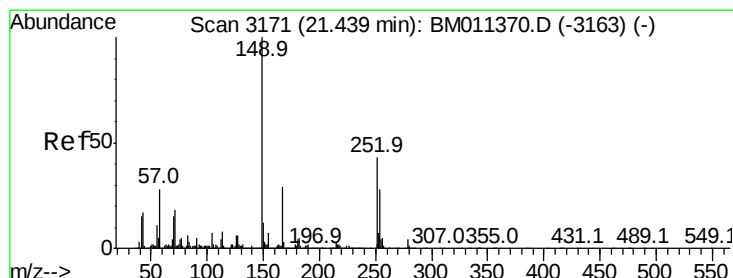
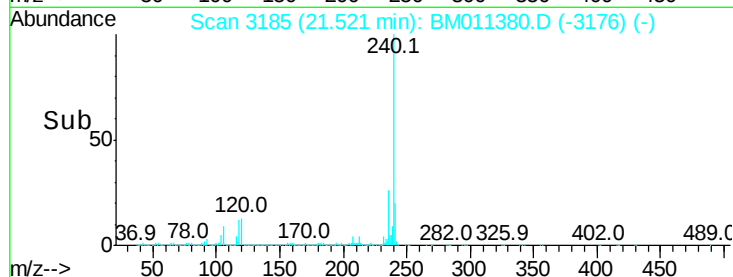
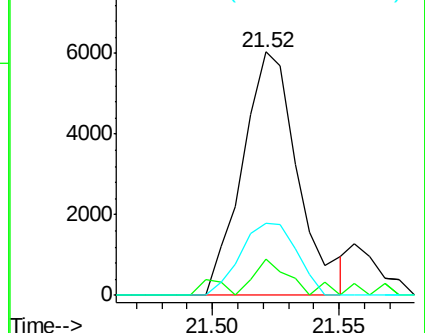
229 29.5 15.5 23.3#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.082 ng

RT: 21.43 min Scan# 3170

Delta R.T. -0.01 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

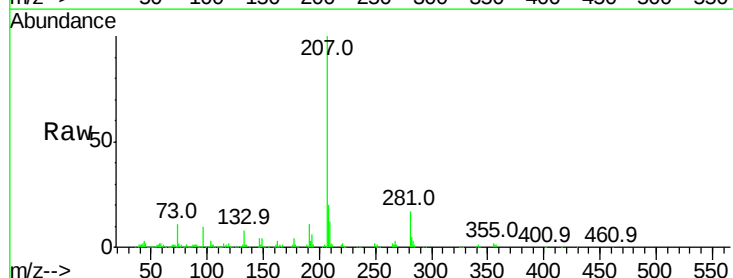
Tgt Ion:149 Resp: 10775

Ion Ratio Lower Upper

149 100

167 20.3 22.4 33.6#

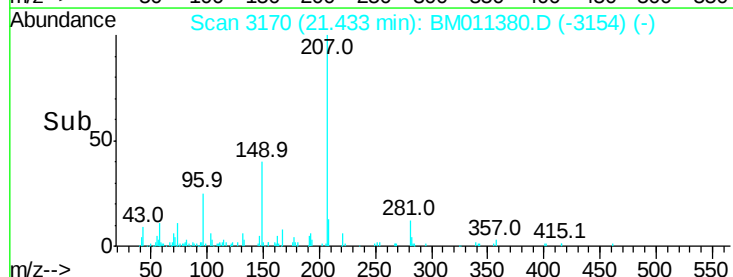
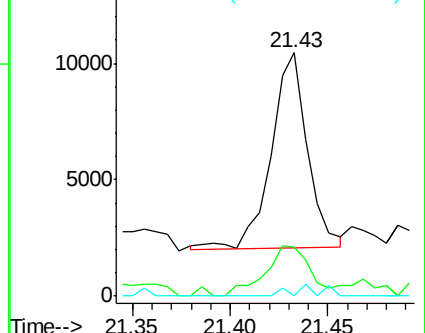
279 0.0 3.4 5.0#

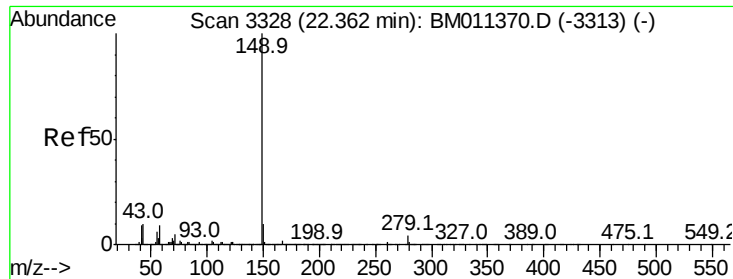


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

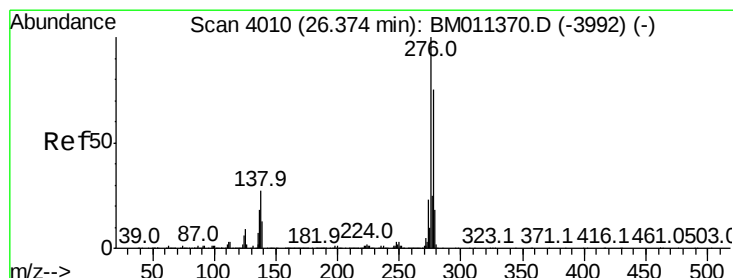
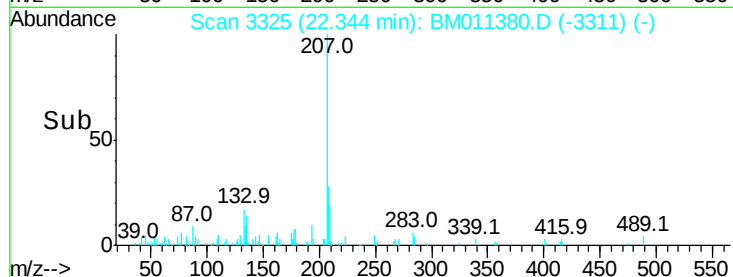
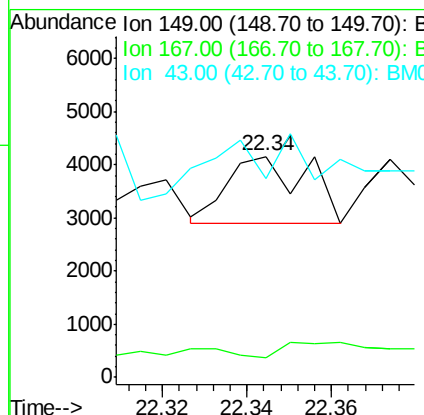
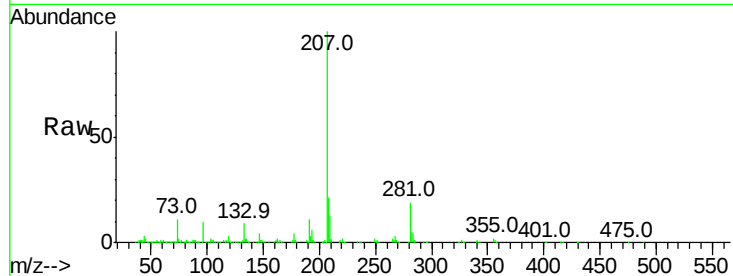




#84
Di-n-octyl phthalate
Concen: 0.007 ng
RT: 22.34 min Scan# 3325
Delta R.T. -0.02 min
Lab File: BM011380.D
Acq: 31 Aug 2017 20:07

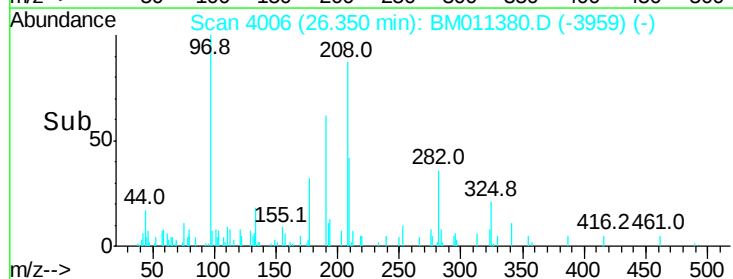
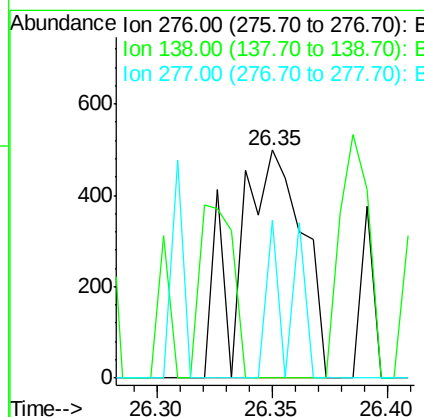
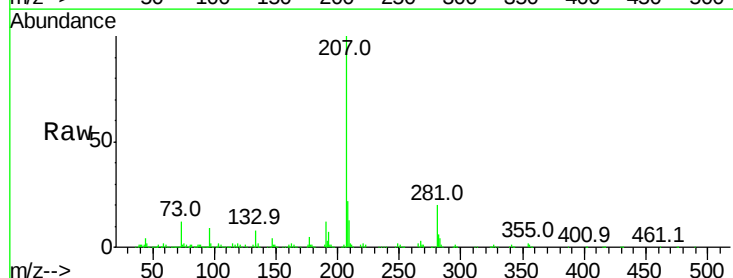
Instrument :
BNA_M
ClientSampleId :

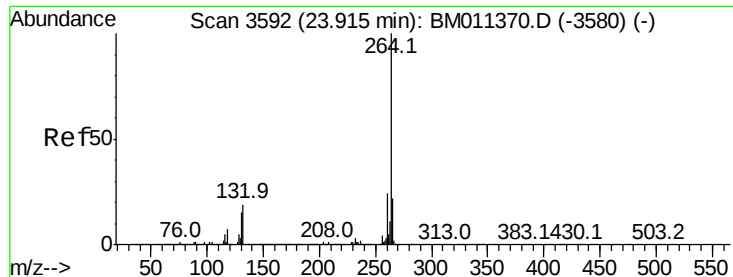
Tot Ion	Ratio	Lower	Upper
149	100		
167	26.0	1.2	1.8#
43	53.3	7.3	10.9#



#85
Indeno(1,2,3-cd)pyrene
Concen: 0.006 ng
RT: 26.35 min Scan# 4006
Delta R.T. -0.02 min
Lab File: BM011380.D
Acq: 31 Aug 2017 20:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	0.0	12.0	18.0#
277	24.5	20.0	30.0

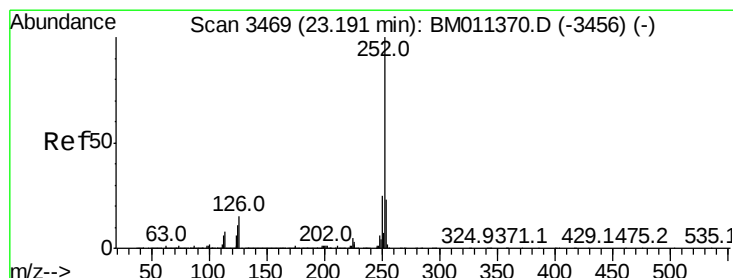
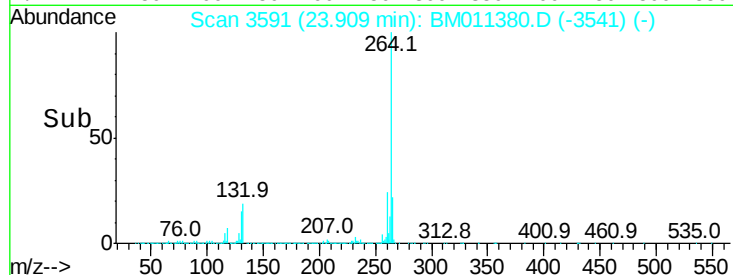
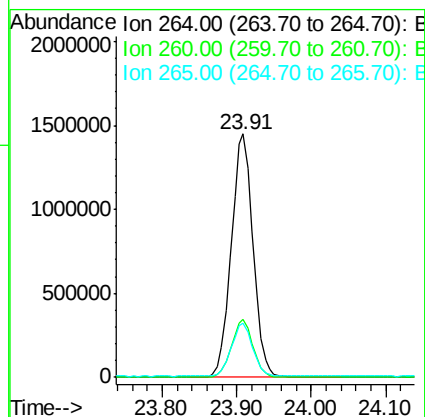
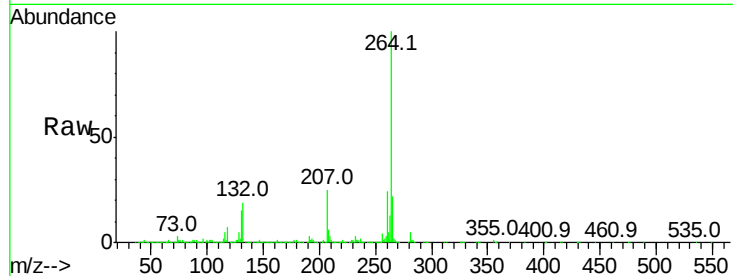




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.91 min Scan# 3591
Delta R.T. -0.01 min
Lab File: BM011380.D
Acq: 31 Aug 2017 20:07

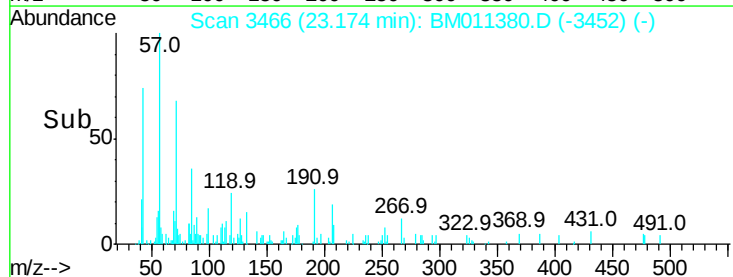
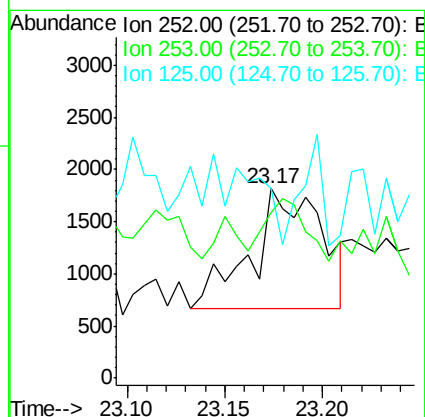
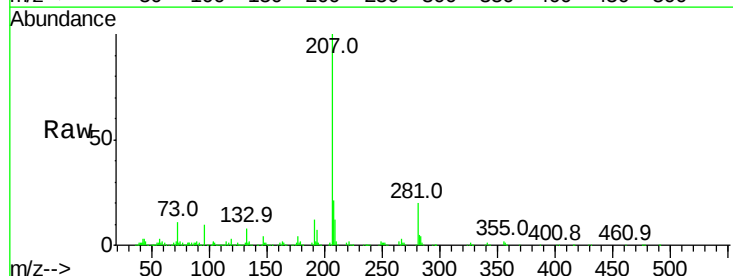
Instrument :
BNA_M
ClientSampleId :

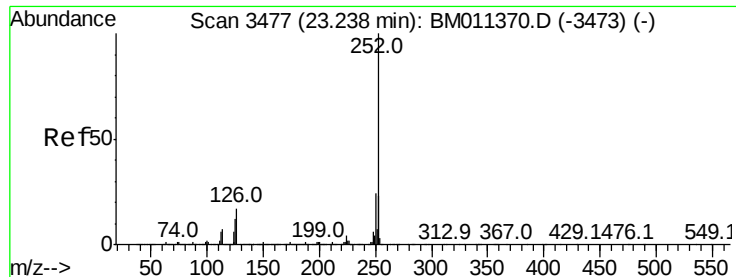
Tot Ion:264 Resp: 2951392
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 22.1 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 0.016 ng
RT: 23.17 min Scan# 3466
Delta R.T. -0.02 min
Lab File: BM011380.D
Acq: 31 Aug 2017 20:07

Tgt Ion:252 Resp: 2886
Ion Ratio Lower Upper
252 100
253 87.5 18.0 27.0#
125 100.5 9.9 14.9#





#88

Benzo(k)fluoranthene

Concen: 0.004 ng

RT: 23.28 min Scan# 3484

Delta R.T. 0.04 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

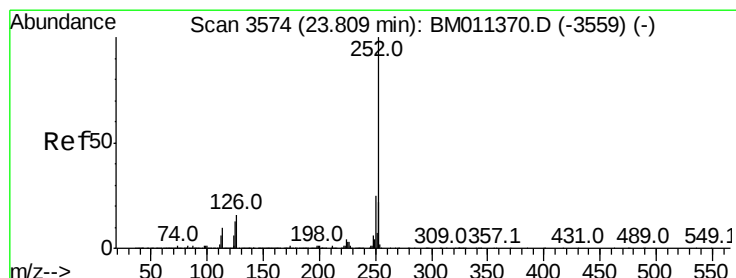
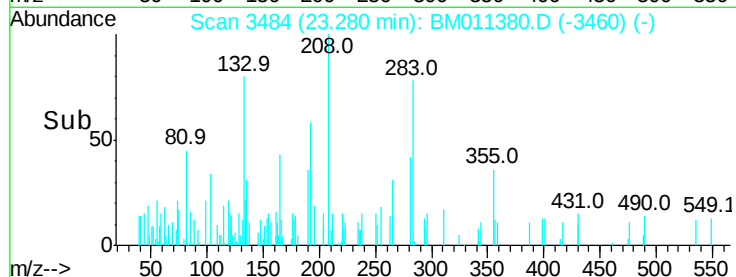
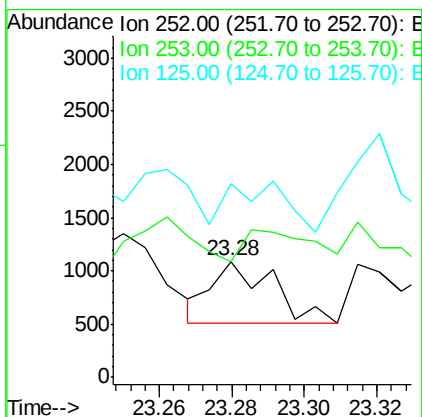
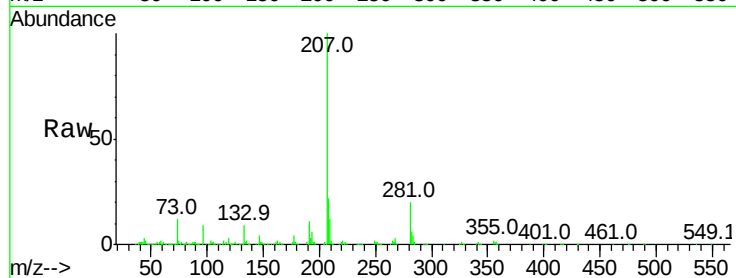
Instrument :

BNA_M

ClientSampleId :

Tot Ion:252 Resp: 677

Ion	Ratio	Lower	Upper
252	100		
253	100.4	17.2	25.8#
125	248.3	8.1	12.1#



#89

Benzo(a)pyrene

Concen: 0.001 ng

RT: 23.79 min Scan# 3571

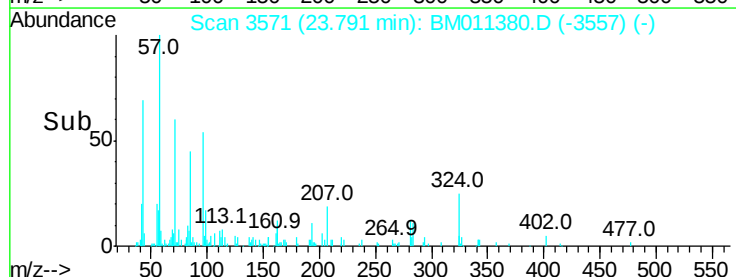
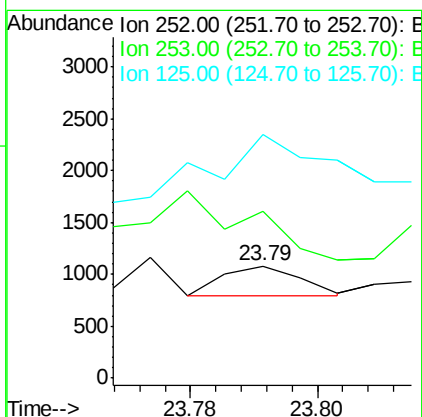
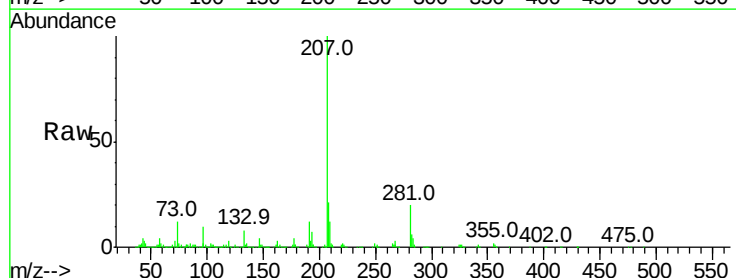
Delta R.T. -0.02 min

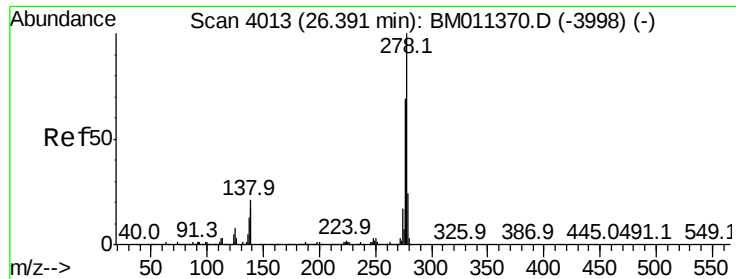
Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

Tgt Ion:252 Resp: 242

Ion	Ratio	Lower	Upper
252	100		
253	148.8	17.6	26.4#
125	217.1	7.4	11.2#





#90

Dibenzo(a,h)anthracene

Concen: 0.004 ng

RT: 26.37 min Scan# 4009

Delta R.T. -0.02 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

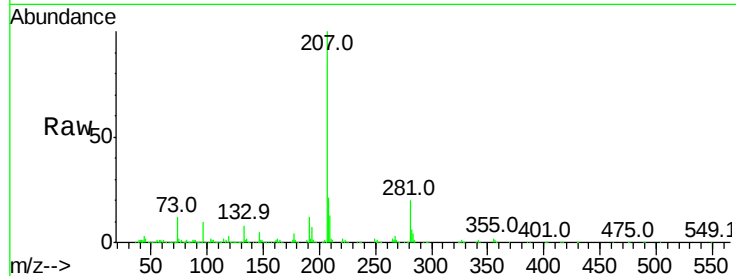
Instrument :

BNA_M

ClientSampleId :

Tot Ion:278 Resp: 576

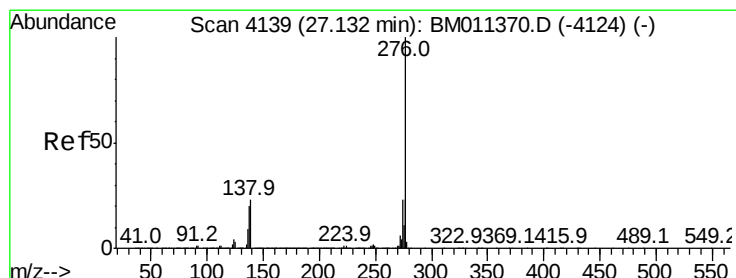
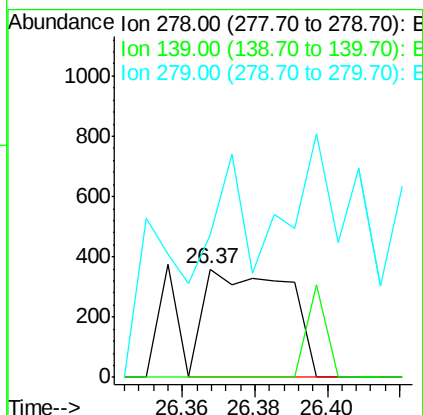
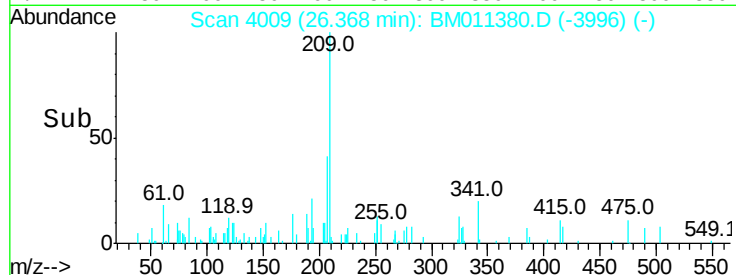
Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.4	20.0#
279	130.8	19.0	28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 0.006 ng

RT: 27.11 min Scan# 4136

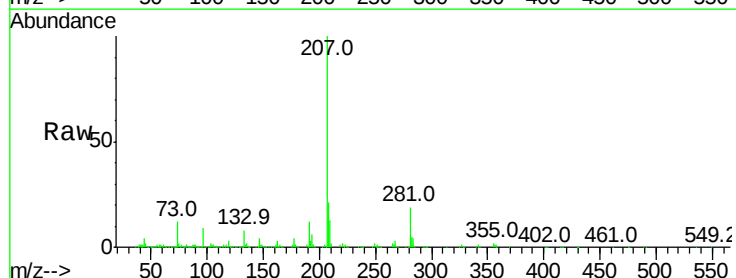
Delta R.T. -0.02 min

Lab File: BM011380.D

Acq: 31 Aug 2017 20:07

Tgt Ion:276 Resp: 865

Ion	Ratio	Lower	Upper
276	100		
277	0.0	18.5	27.7#
138	110.8	19.0	28.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

