

Data Path : Z:\HPCHEM1\BNA M\DATA\BM083117\
 Data File : BM011379.D
 Acq On : 31 Aug 2017 19:31
 Operator : SJ/JU
 Sample : PB101971TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 01 05:04:52 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	548748	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	2271709	20.00	ng	0.00
38) Acenaphthene-d10	14.62	164	1255139	20.00	ng	0.00
63) Phenanthrene-d10	17.36	188	2779001	20.00	ng	0.00
75) Chrysene-d12	21.52	240	2900083	20.00	ng	-0.01
86) Perylene-d12	23.91	264	2642442	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.55	112	4485518	137.59	ng	0.00
7) Phenol-d6	7.14	99	5734984	126.87	ng	0.00
23) Nitrobenzene-d5	9.16	82	3025853	87.77	ng	0.00
41) 2,4,6-Tribromophenol	16.10	330	1826261	125.76	ng	0.00
44) 2-Fluorobiphenyl	13.25	172	7624183	87.56	ng	0.00
78) Terphenyl-d14	19.97	244	9303822	79.60	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.43	88	508	0.037	ng	# 100
3) Pyridine	3.86	79	669	0.016	ng	# 1
4) n-Nitrosodimethylamine	3.73	42	639	0.030	ng	# 1
6) Aniline	7.32	93	2040	0.033	ng	# 38
8) 2-Chlorophenol	7.55	128	1249	0.032	ng	# 1
9) Benzaldehyde	7.14	77	8555	0.326	ng	# 6
10) Phenol	7.17	94	2058	0.041	ng	# 1
11) bis(2-Chloroethyl)ether	7.40	93	135	0.003	ng	# 23
14) 1,2-Dichlorobenzene	8.34	146	1330	0.031	ng	# 1
16) 2,2'-oxybis(1-Chloropropan	8.56	45	828	0.012	ng	# 1
17) 2-Methylphenol	8.40	107	113	0.004	ng	# 1
18) Hexachloroethane	9.04	117	127	0.008	ng	# 49
19) n-Nitroso-di-n-propylamine	8.80	70	382	0.012	ng	# 1
22) Acetophenone	8.82	105	435	0.008	ng	# 1
24) Nitrobenzene	9.16	77	8992	0.237	ng	# 38
25) Isophorone	9.73	82	200	0.003	ng	# 62
27) 2,4-Dimethylphenol	9.99	122	285	0.008	ng	# 6
28) bis(2-Chloroethoxy)methane	10.22	93	117	0.002	ng	# 1
32) Benzoic acid	10.13	122	109	6.544	ng	# 1
33) 4-Chloroaniline	10.96	127	858	0.016	ng	# 51
36) 4-Chloro-3-methylphenol	12.12	107	149	0.004	ng	# 14
45) 1,1'-Biphenyl	13.46	154	10984	0.099	ng	# 88
47) 2-Nitroaniline	13.69	65	271	5.447	ng	# 1
49) Dimethylphthalate	14.07	163	112	0.001	ng	# 77
50) 2,6-Dinitrotoluene	14.23	165	115	0.006	ng	# 24
51) Acenaphthene	14.62	154	5211	0.062	ng	# 5
59) Diethylphthalate	15.43	149	2143	0.021	ng	# 56
62) Azobenzene	15.94	77	1111	0.012	ng	# 74
70) Phenanthrene	17.40	178	881	0.006	ng	# 50
71) Anthracene	17.50	178	507	0.003	ng	# 61
72) Carbazole	17.75	167	313	0.002	ng	# 59
73) Di-n-butylphthalate	18.32	149	2596	0.015	ng	# 78
74) Fluoranthene	19.41	202	142	0.001	ng	# 2
76) Benzidine	19.59	184	20693	0.362	ng	# 91

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

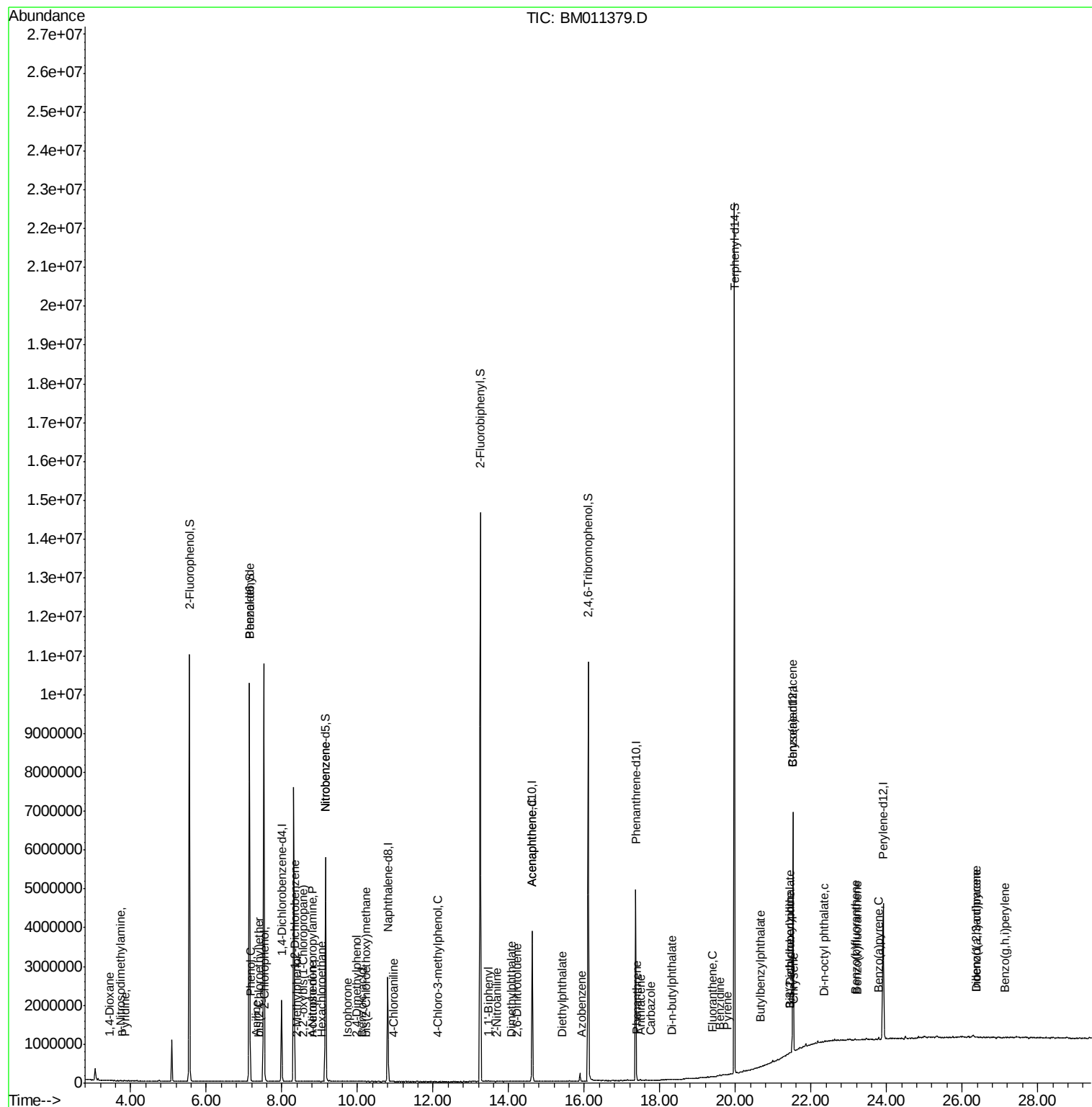
77) Pyrene	19.78	202	671	0.004	nq	# 57
79) Butylbenzylphthalate	20.66	149	635	0.008	nq	# 84
80) Benzo(a)anthracene	21.52	228	8020	0.049	nq	# 72
81) 3,3'-Dichlorobenzidine	21.44	252	891	0.014	nq	# 79
82) Chrysene	21.56	228	1188	0.008	nq	# 50
83) Bis(2-ethylhexyl)phthalate	21.43	149	4021	0.035	nq	# 92
84) Di-n-octyl phthalate	22.34	149	1034	0.005	nq	# 1
85) Indeno(1,2,3-cd)pyrene	26.36	276	1363	0.010	nq	# 49
87) Benzo(b)fluoranthene	23.18	252	2300	0.014	nq	# 1
88) Benzo(k)fluoranthene	23.23	252	971	0.006	nq	# 1
89) Benzo(a)pyrene	23.79	252	464	0.003	nq	# 1
90) Dibenzo(a,h)anthracene	26.38	278	724	0.006	nq	# 12
91) Benzo(a,h,i)perylene	27.12	276	629	0.005	nq	# 52

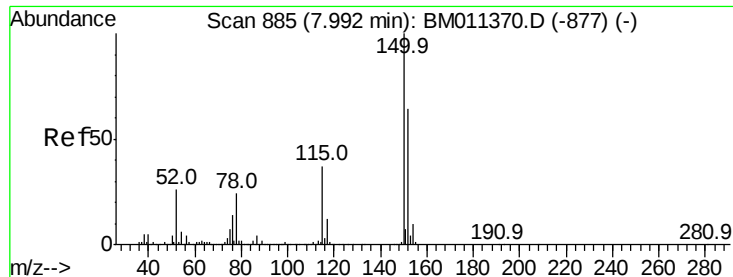
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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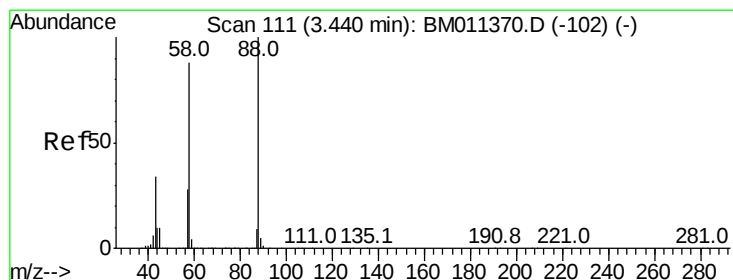
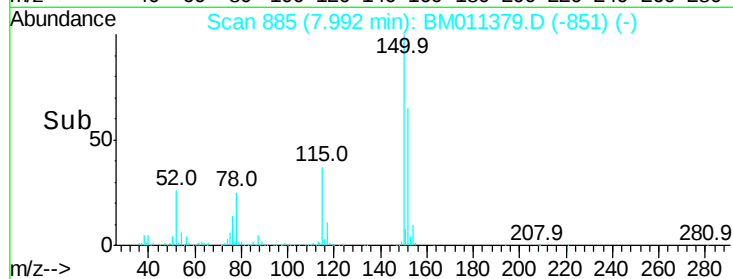
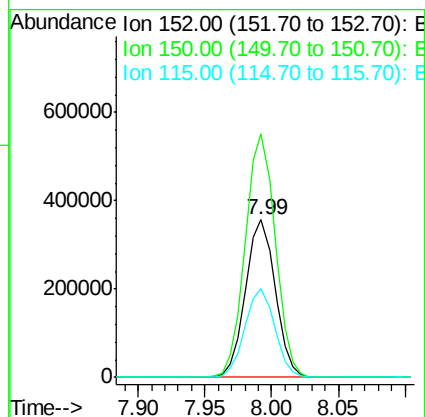
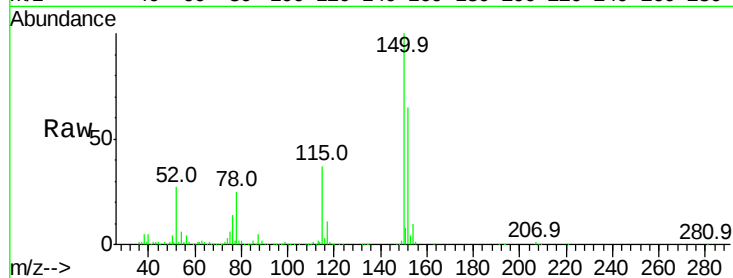


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 885
Delta R.T. 0.00 min
Lab File: BM011379.D
Acq: 31 Aug 2017 19:31

Instrument :
BNA_M
ClientSampleId :

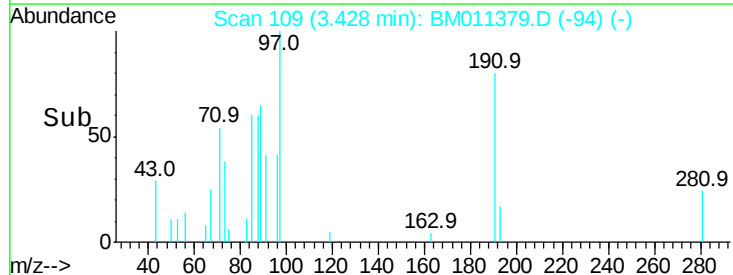
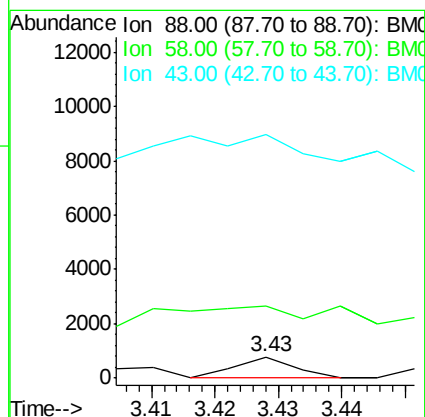
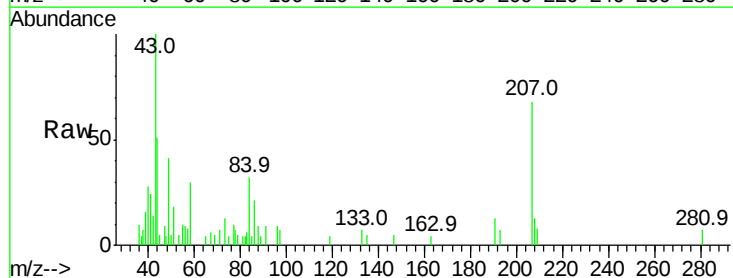
Tot Ion:152 Resp: 548748
Ion Ratio Lower Upper
152 100
150 154.5 119.5 179.3
115 56.4 43.0 64.4

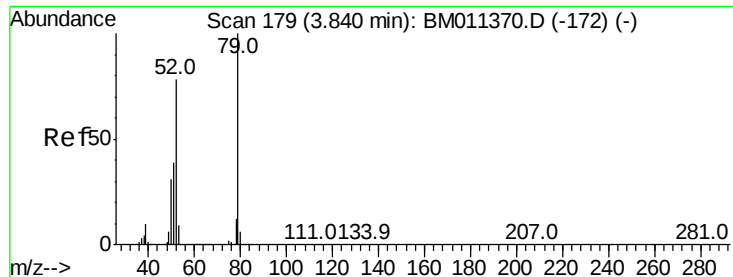


#2

1,4-Dioxane
Concen: 0.037 ng
RT: 3.43 min Scan# 109
Delta R.T. -0.01 min
Lab File: BM011379.D
Acq: 31 Aug 2017 19:31

Tgt Ion: 88 Resp: 508
Ion Ratio Lower Upper
88 100
58 262.4 0.0 0.0#
43 467.9 0.0 0.0#





#3

Pvridine

Concen: 0.016 ng

RT: 3.86 min Scan# 182

Delta R.T. 0.02 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

Instrument :

BNA_M

ClientSampleId :

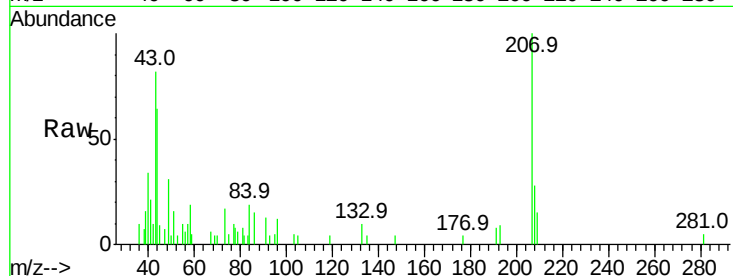
Tot Ion: 79 Resp: 669

Ion Ratio Lower Upper

79 100

52 0.0 51.1 76.7#

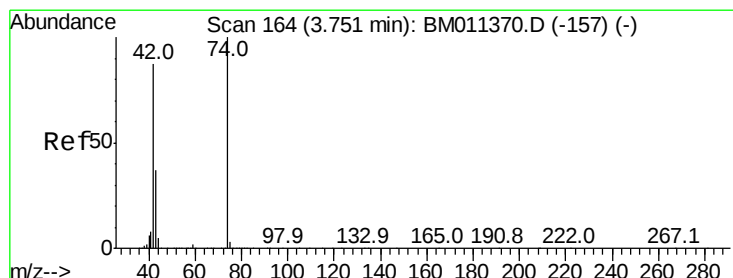
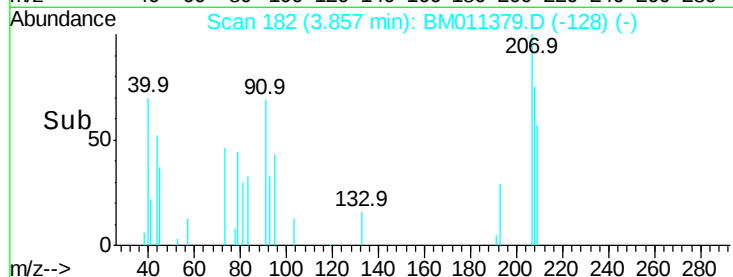
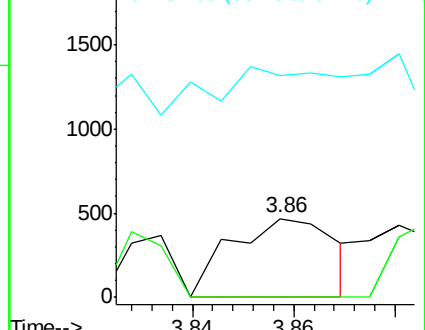
51 281.8 26.1 39.1#



Abundance Ion 79.00 (78.70 to 79.70): BM011379.D (-172) (-)

Ion 52.00 (51.70 to 52.70): BM011379.D (-172) (-)

Ion 51.00 (50.70 to 51.70): BM011379.D (-172) (-)



#4

n-Nitrosodimethylamine

Concen: 0.030 ng

RT: 3.73 min Scan# 160

Delta R.T. -0.02 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

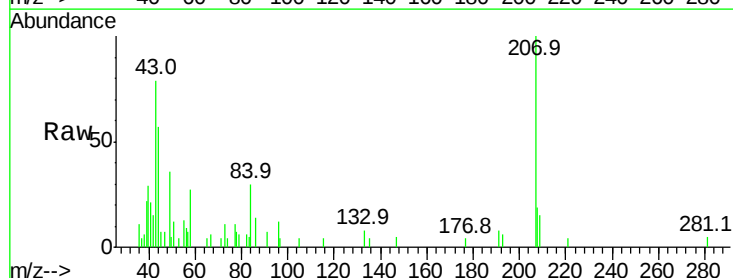
Tgt Ion: 42 Resp: 639

Ion Ratio Lower Upper

42 100

74 24.0 119.3 178.9#

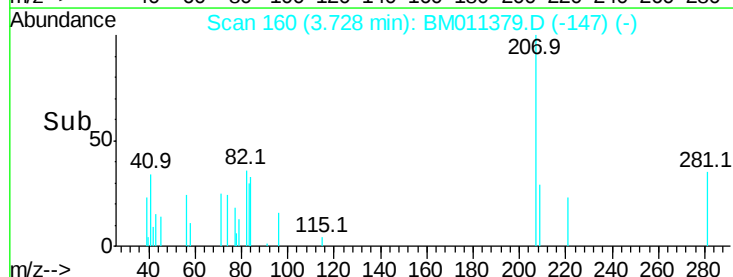
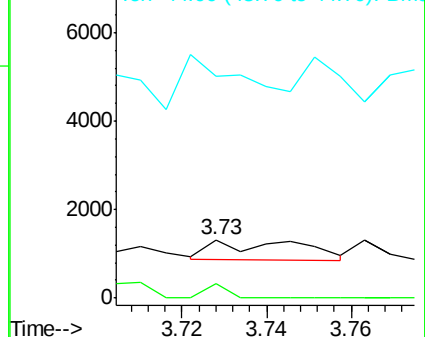
44 377.4 5.4 8.2#

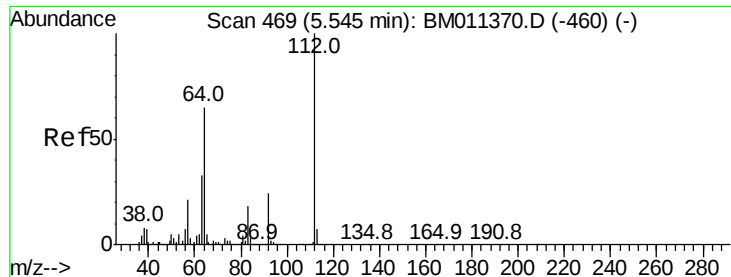


Abundance Ion 42.00 (41.70 to 42.70): BM011379.D (-157) (-)

Ion 74.00 (73.70 to 74.70): BM011379.D (-157) (-)

Ion 44.00 (43.70 to 44.70): BM011379.D (-157) (-)





#5

2-Fluorophenol

Concen: 137.592 ng

RT: 5.55 min Scan# 470

Delta R.T. 0.01 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

Instrument :

BNA_M

ClientSampleId :

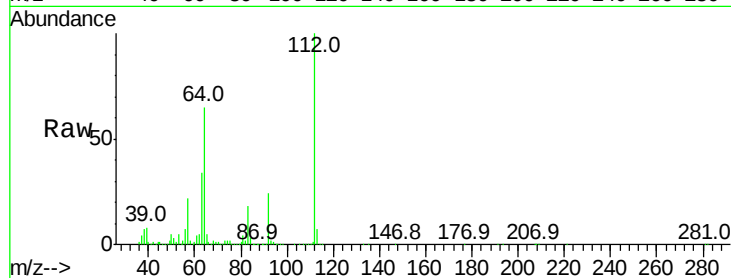
Tot Ion:112 Resp: 4485518

Ion Ratio Lower Upper

112 100

64 64.9 38.6 57.8#

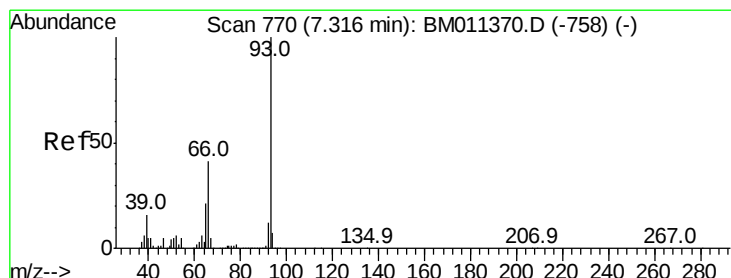
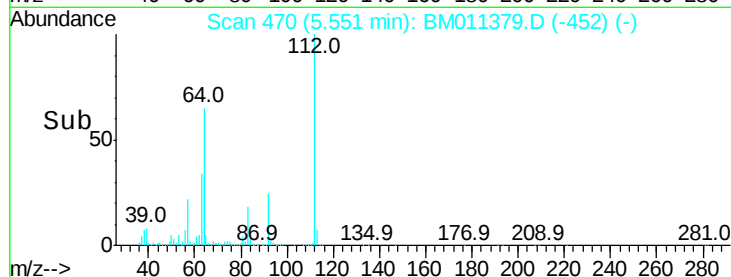
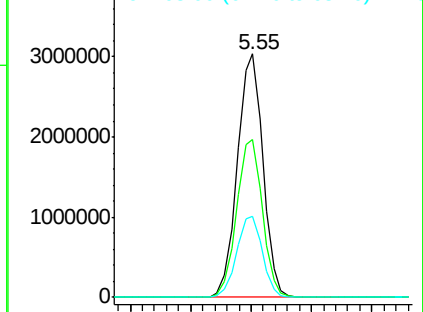
63 33.5 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 0.033 ng

RT: 7.32 min Scan# 770

Delta R.T. 0.00 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

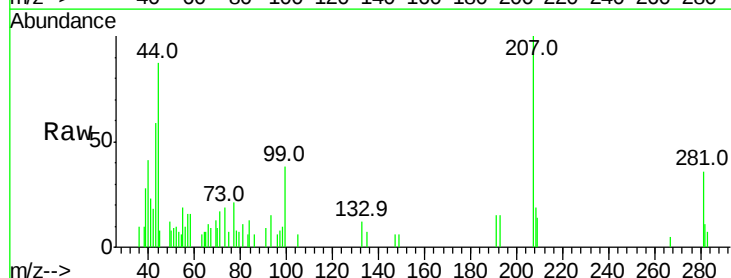
Tgt Ion: 93 Resp: 2040

Ion Ratio Lower Upper

93 100

66 76.0 30.8 46.2#

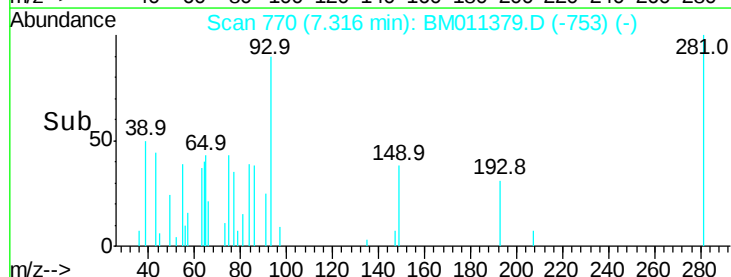
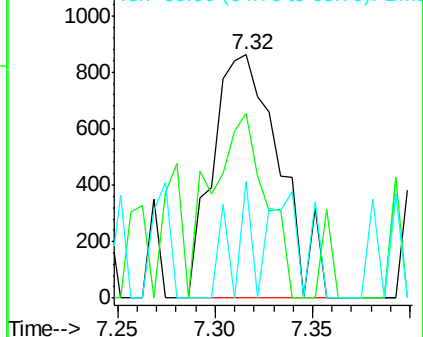
65 48.1 16.0 24.0#

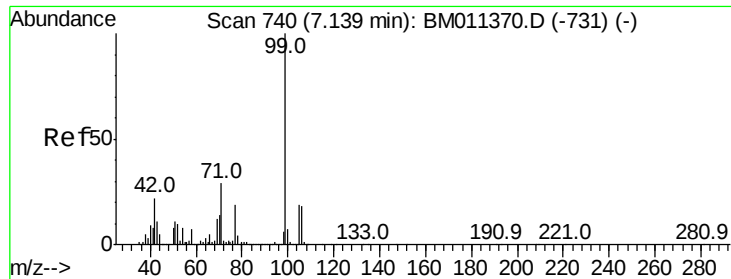


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 126.870 ng

RT: 7.14 min Scan# 740

Delta R.T. 0.00 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

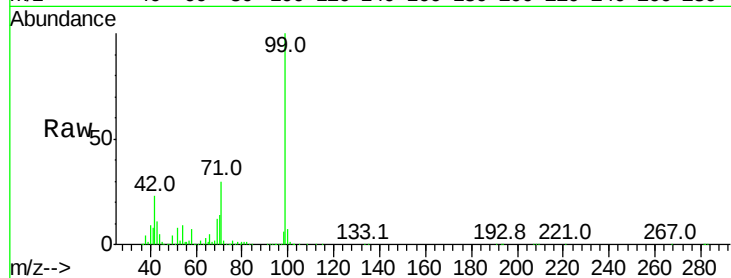
Instrument :

BNA_M

ClientSampleId :

Tot Ion: 99 Resp: 5734984

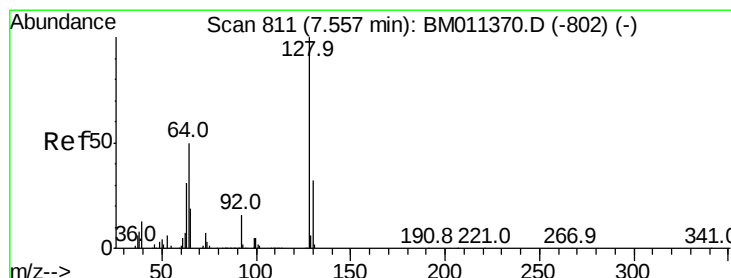
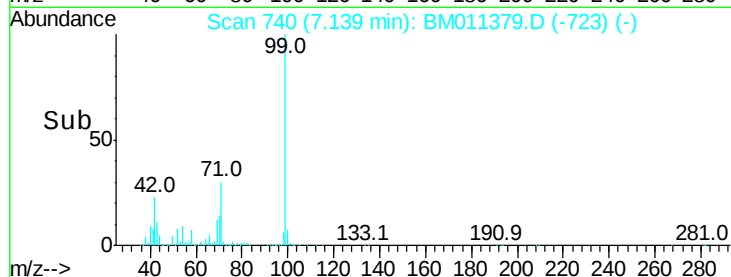
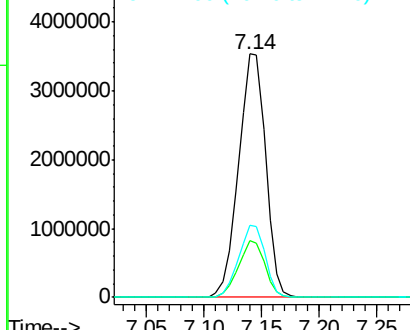
Ion	Ratio	Lower	Upper
99	100		
42	23.3	11.0	16.4#
71	29.8	23.4	35.2



Abundance Ion 99.00 (98.70 to 99.70): BM011379.D (-723) (-)

Ion 42.00 (41.70 to 42.70): BM011379.D (-723) (-)

Ion 71.00 (70.70 to 71.70): BM011379.D (-723) (-)



#8

2-Chlorophenol

Concen: 0.032 ng

RT: 7.55 min Scan# 810

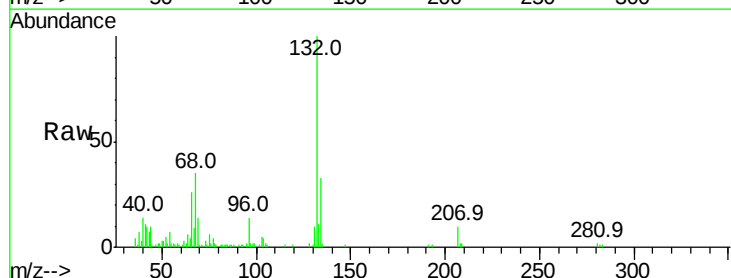
Delta R.T. -0.01 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

Tgt Ion: 128 Resp: 1249

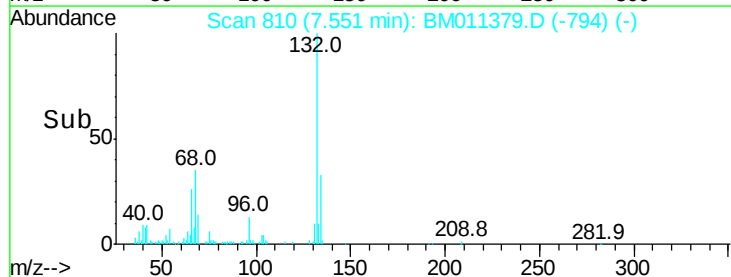
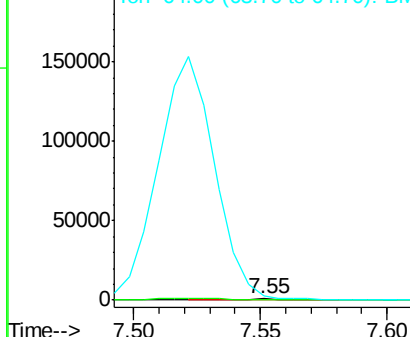
Ion	Ratio	Lower	Upper
128	100		
130	37.8	12.0	52.0
64	369.3	24.9	64.9#

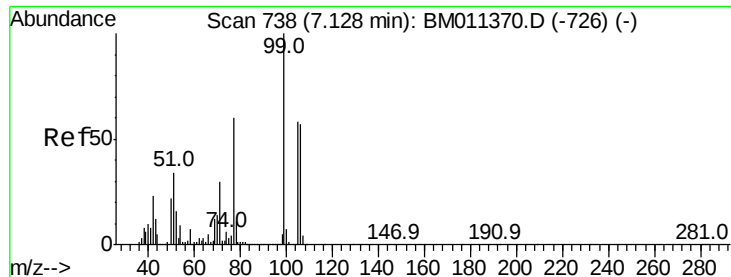


Abundance Ion 128.00 (127.70 to 128.70): BM011379.D (-794) (-)

Ion 130.00 (129.70 to 130.70): BM011379.D (-794) (-)

Ion 64.00 (63.70 to 64.70): BM011379.D (-794) (-)

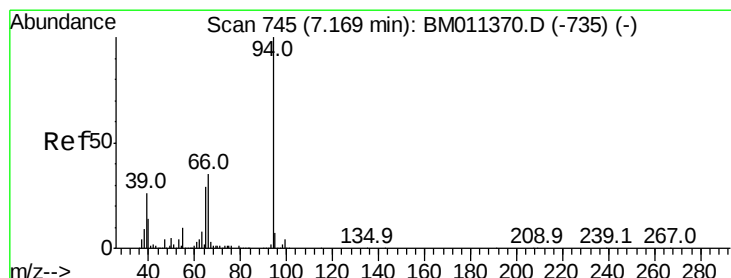
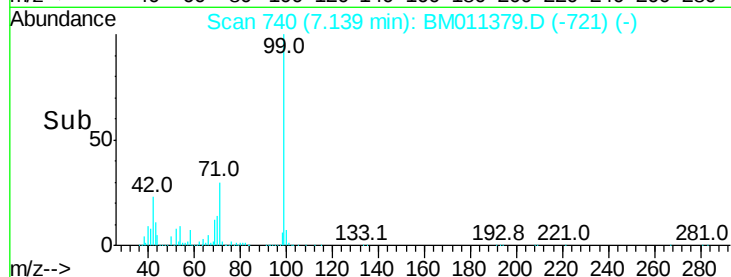
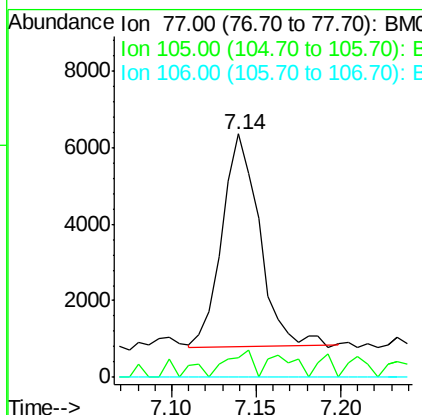
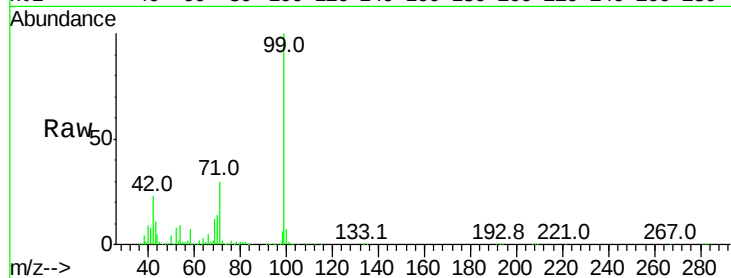




#9
Benzaldehyde
Concen: 0.326 ng
RT: 7.14 min Scan# 740
Delta R.T. 0.01 min
Lab File: BM011379.D
Acq: 31 Aug 2017 19:31

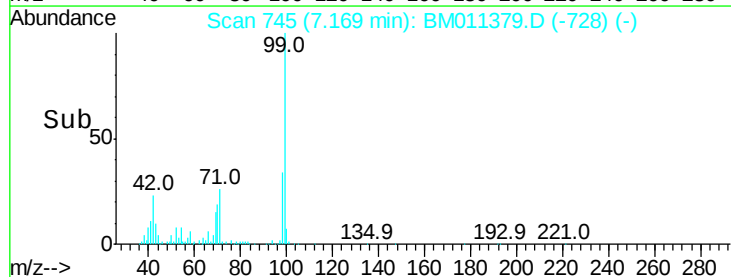
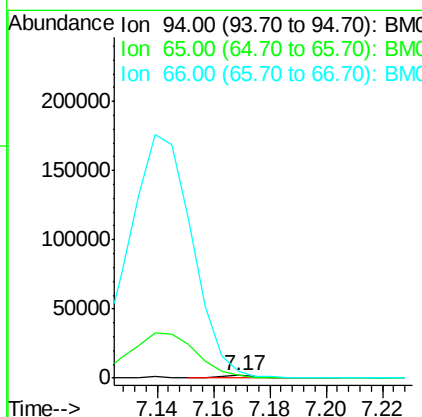
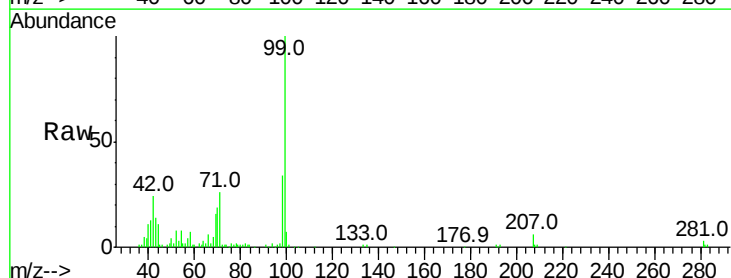
Instrument :
BNA_M
ClientSampleId :

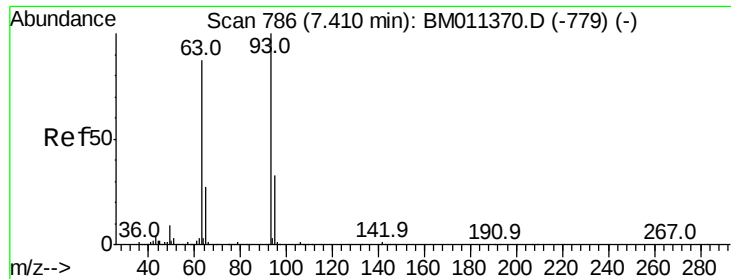
Tot Ion: 77 Resp: 8555
Ion Ratio Lower Upper
77 100
105 7.9 78.8 118.8#
106 0.0 73.7 113.7#



#10
Phenol
Concen: 0.041 ng
RT: 7.17 min Scan# 745
Delta R.T. 0.00 min
Lab File: BM011379.D
Acq: 31 Aug 2017 19:31

Tgt Ion: 94 Resp: 2058
Ion Ratio Lower Upper
94 100
65 109.1 18.8 58.8#
66 282.0 39.9 79.9#

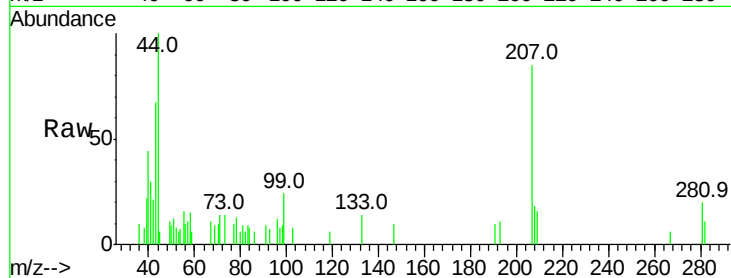




#11
bis(2-Chloroethyl)ether
Concen: 0.003 ng
RT: 7.40 min Scan# 784
Delta R.T. -0.01 min
Lab File: BM011379.D
Acq: 31 Aug 2017 19:31

Instrument :
BNA_M
ClientSampleId :

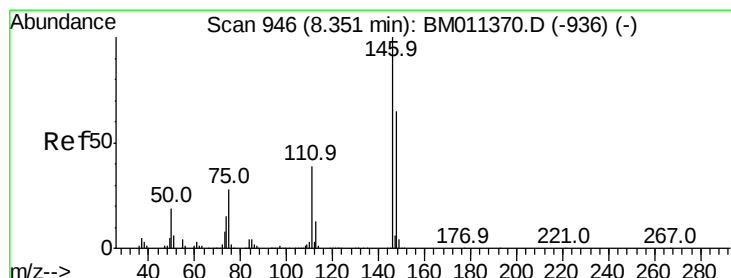
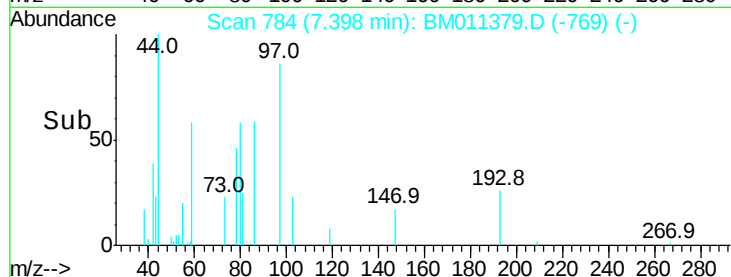
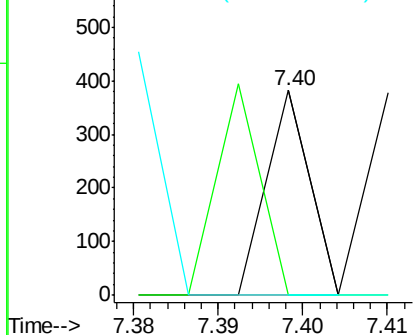
Tot Ion	Ratio	Lower	Upper
93	100		
63	0.0	49.5	89.5#
95	0.0	13.5	53.5#



Abundance Ion 93.00 (92.70 to 93.70): BM011370.D (-779) (-)

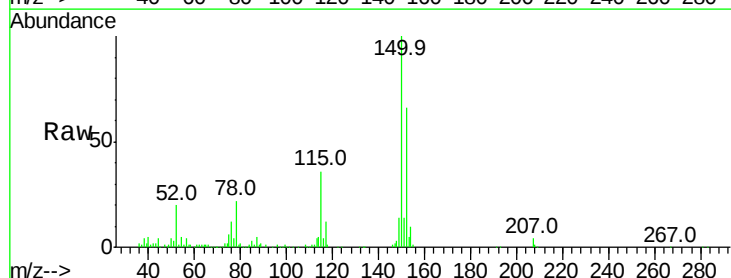
Ion 63.00 (62.70 to 63.70): BM011370.D (-779) (-)

Ion 95.00 (94.70 to 95.70): BM011370.D (-779) (-)



#14
1,2-Dichlorobenzene
Concen: 0.031 ng
RT: 8.34 min Scan# 944
Delta R.T. -0.01 min
Lab File: BM011379.D
Acq: 31 Aug 2017 19:31

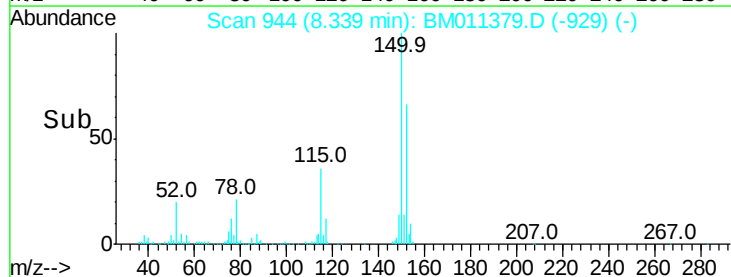
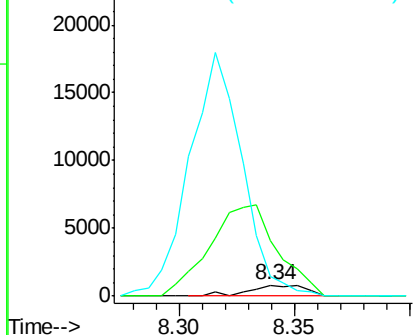
Tgt Ion	Ratio	Lower	Upper
146	100		
148	521.7	52.3	78.5#
111	188.4	30.6	45.8#

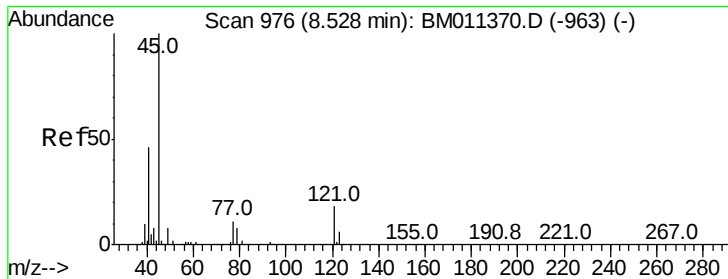


Abundance Ion 146.00 (145.70 to 146.70): BM011370.D (-936) (-)

Ion 148.00 (147.70 to 148.70): BM011370.D (-936) (-)

Ion 111.00 (110.70 to 111.70): BM011370.D (-936) (-)

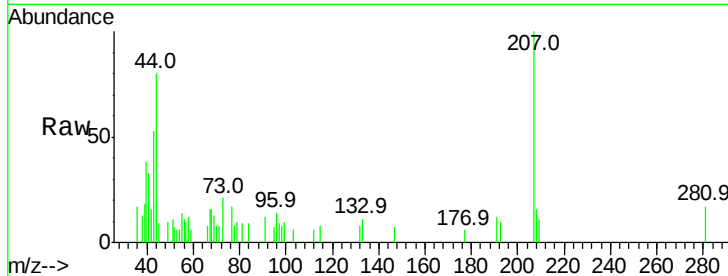




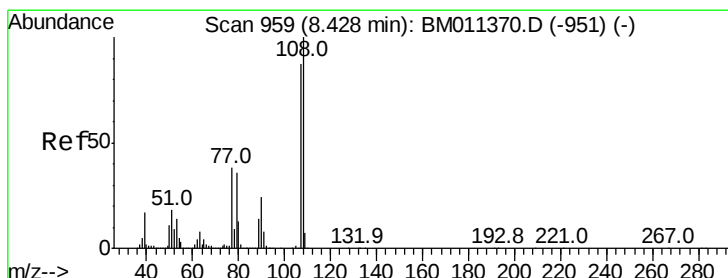
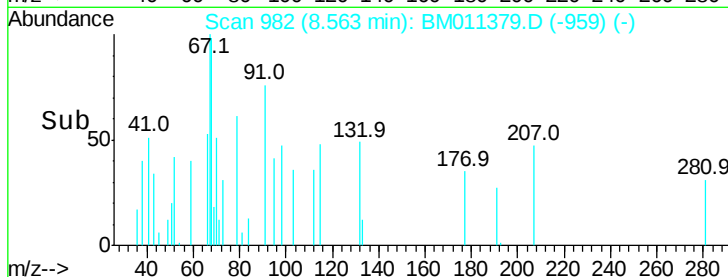
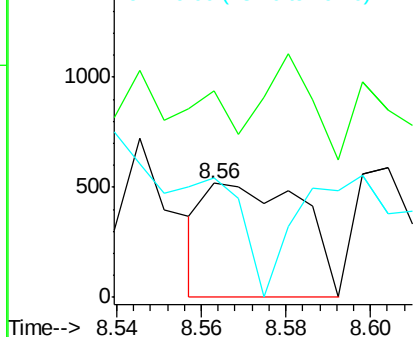
#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.012 ng
RT: 8.56 min Scan# 982
Delta R.T. 0.04 min
Lab File: BM011379.D
Acq: 31 Aug 2017 19:31

Instrument :
BNA_M
ClientSampled :

Tot Ion: 45 Resp: 828
Ion Ratio Lower Upper
45 100
77 180.9 0.0 35.2#
79 104.4 0.0 32.0#

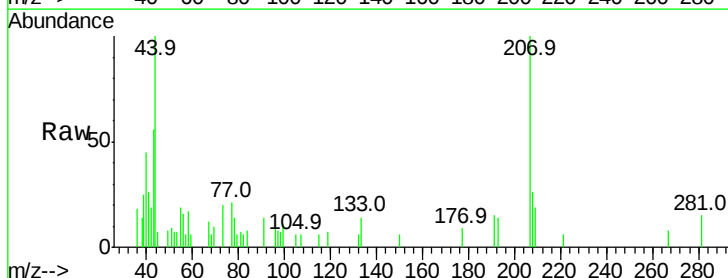


Abundance Ion 45.00 (44.70 to 45.70): BM0
Ion 77.00 (76.70 to 77.70): BM0
Ion 79.00 (78.70 to 79.70): BM0

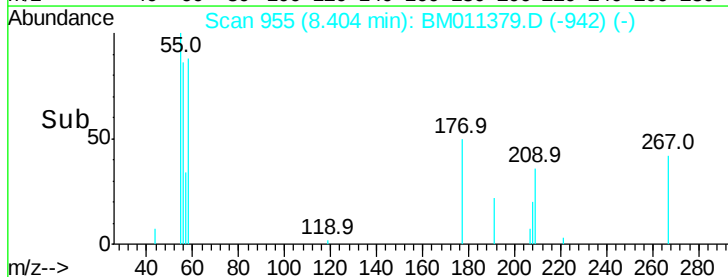
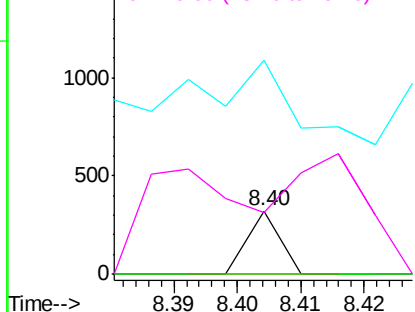


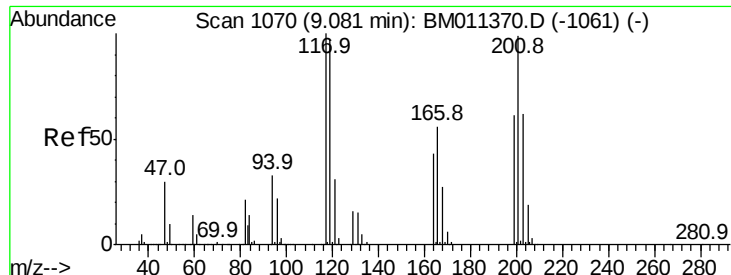
#17
2-Methylphenol
Concen: 0.004 ng
RT: 8.40 min Scan# 955
Delta R.T. -0.02 min
Lab File: BM011379.D
Acq: 31 Aug 2017 19:31

Tgt Ion:107 Resp: 113
Ion Ratio Lower Upper
107 100
108 0.0 89.8 134.8#
77 339.3 32.6 48.8#
79 98.1 32.8 49.2#



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BM0
Ion 79.00 (78.70 to 79.70): BM0

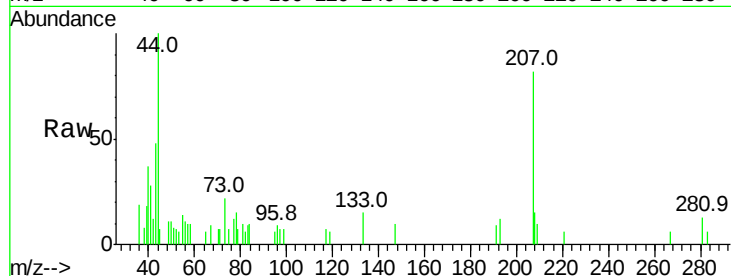




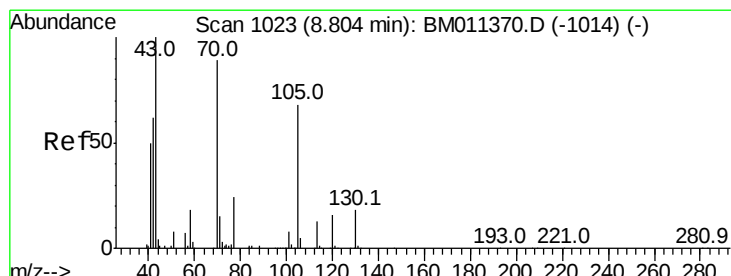
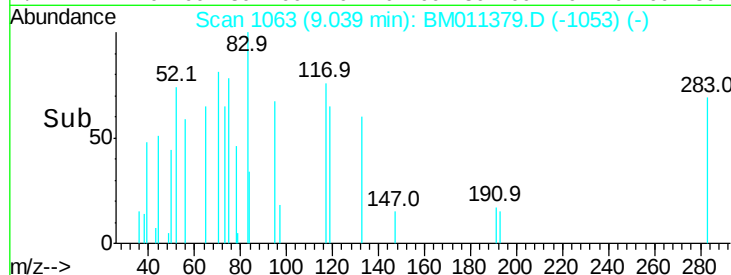
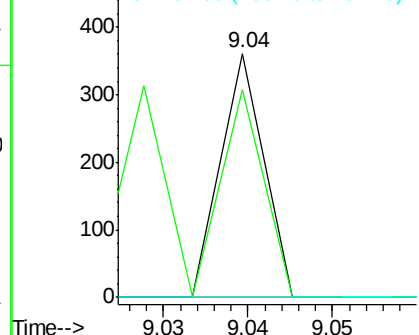
#18
Hexachloroethane
Concen: 0.008 ng
RT: 9.04 min Scan# 1063
Delta R.T. -0.04 min
Lab File: BM011379.D
Acq: 31 Aug 2017 19:31

Instrument :
BNA_M
ClientSampled :

Tot Ion: 117 Resp: 127
Ion Ratio Lower Upper
117 100
119 85.3 79.2 118.8
201 0.0 69.8 104.6#

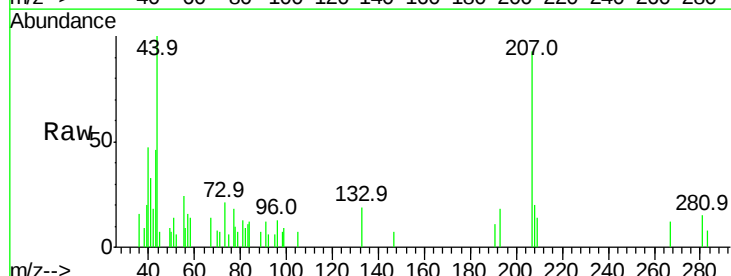


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

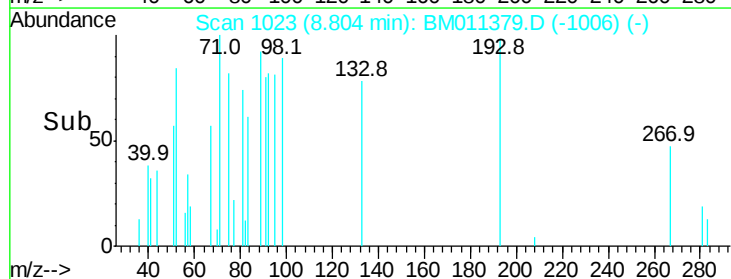
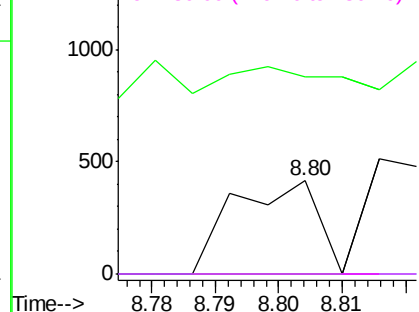


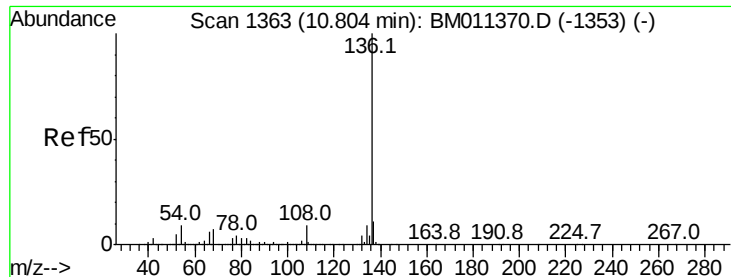
#19
n-Nitroso-di-n-propylamine
Concen: 0.012 ng
RT: 8.80 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BM011379.D
Acq: 31 Aug 2017 19:31

Tgt Ion: 70 Resp: 382
Ion Ratio Lower Upper
70 100
42 211.3 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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.80 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

Instrument :

BNA_M

ClientSampleId :

Tot Ion:136 Resp: 2271709

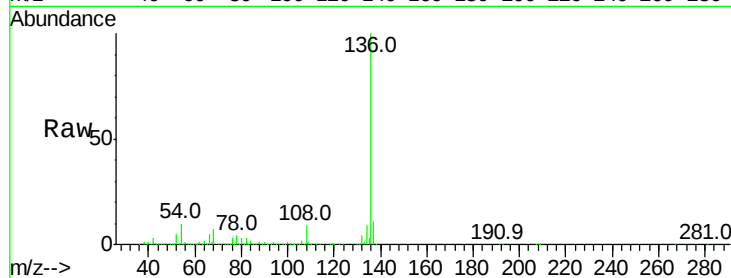
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 9.6 4.6 6.8#

68 7.0 3.7 5.5#

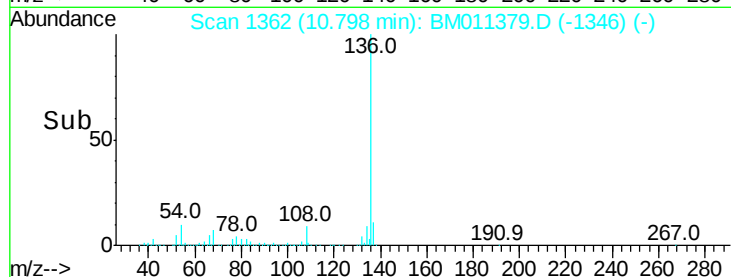


Abundance Ion 136.00 (135.70 to 136.70): E

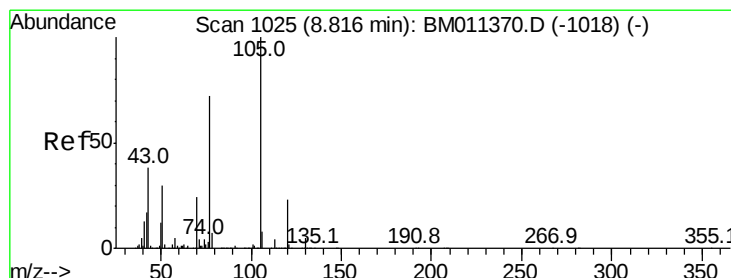
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



Time-->



#22

Acetophenone

Concen: 0.008 ng

RT: 8.82 min Scan# 1026

Delta R.T. 0.01 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

Tgt Ion:105 Resp: 435

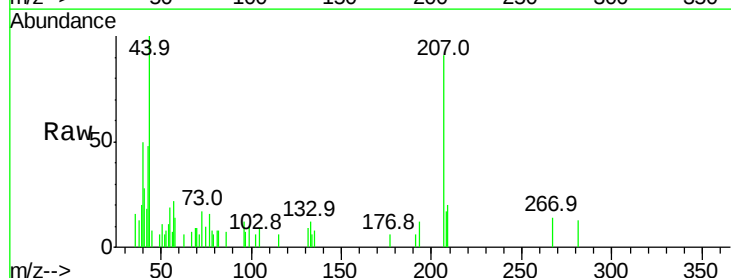
Ion Ratio Lower Upper

105 100

71 69.1 0.6 1.0#

51 121.1 21.6 32.4#

120 0.0 16.1 24.1#

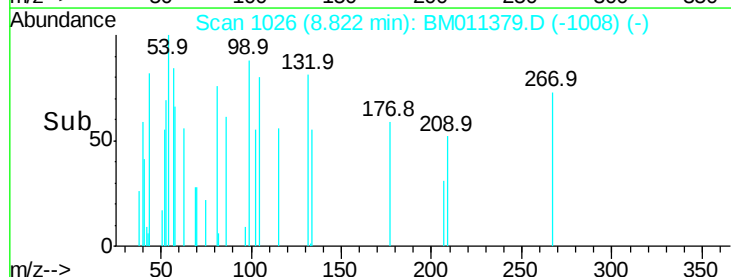


Abundance Ion 105.00 (104.70 to 105.70): E

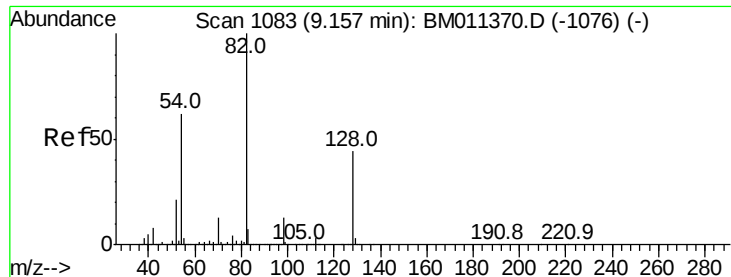
Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E



Time-->

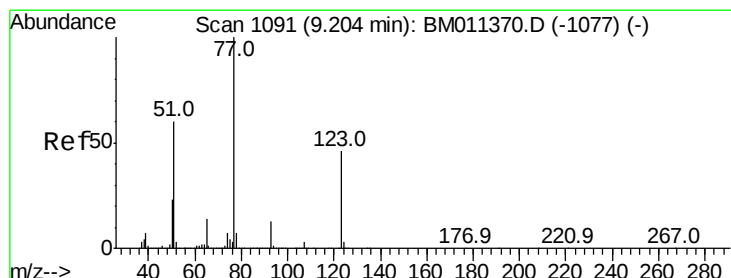
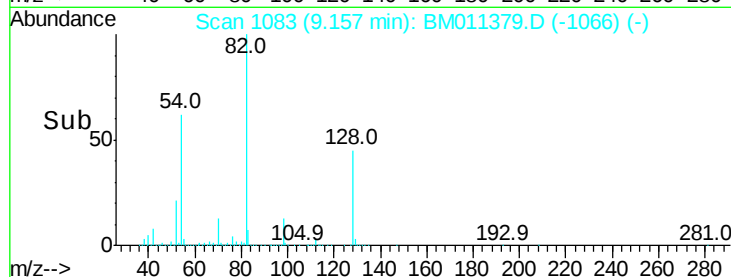
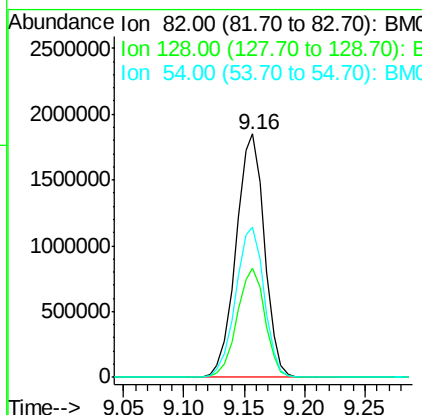
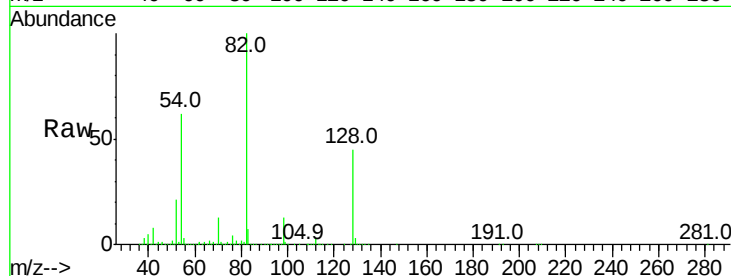


#23
 Nitrobenzene-d5
 Concen: 87.775 ng
 RT: 9.16 min Scan# 1083
 Delta R.T. 0.00 min
 Lab File: BM011379.D
 Acq: 31 Aug 2017 19:31

Instrument :
 BNA_M
 ClientSampled :

Tot Ion: 82 Resp: 3025853

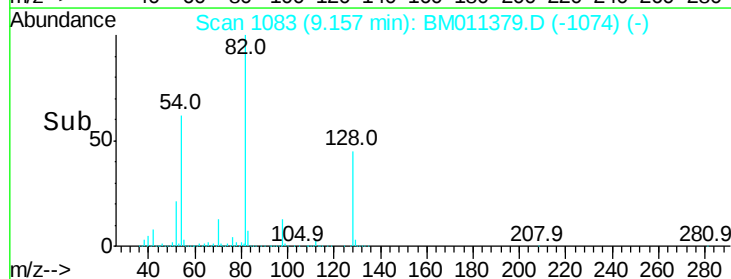
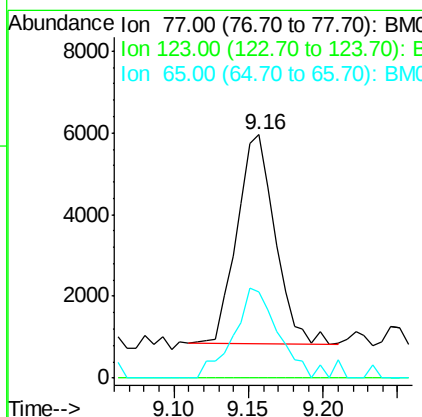
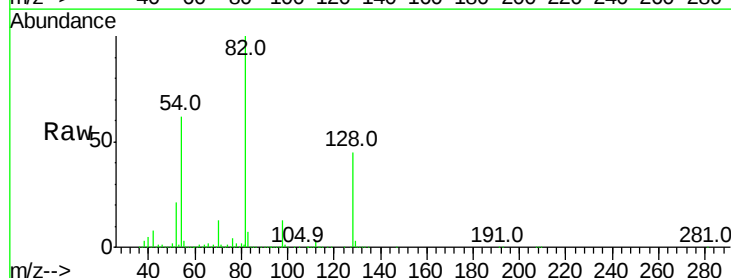
Ion	Ratio	Lower	Upper
82	100		
128	44.8	32.8	49.2
54	61.8	40.6	60.8#

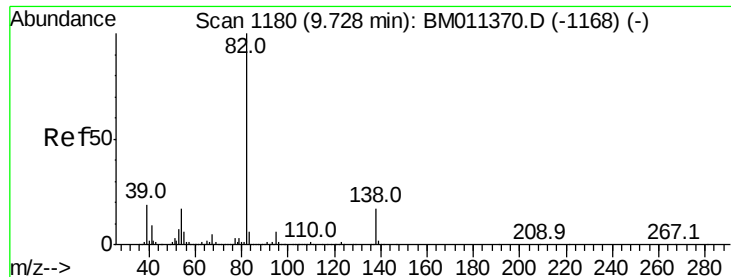


#24
 Nitrobenzene
 Concen: 0.237 ng
 RT: 9.16 min Scan# 1083
 Delta R.T. -0.05 min
 Lab File: BM011379.D
 Acq: 31 Aug 2017 19:31

Tgt Ion: 77 Resp: 8992

Ion	Ratio	Lower	Upper
77	100		
123	0.0	32.6	49.0#
65	35.2	10.9	16.3#





#25

Isophorone

Concen: 0.003 ng

RT: 9.73 min Scan# 1181

Delta R.T. 0.01 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

Instrument :

BNA_M

ClientSampleId :

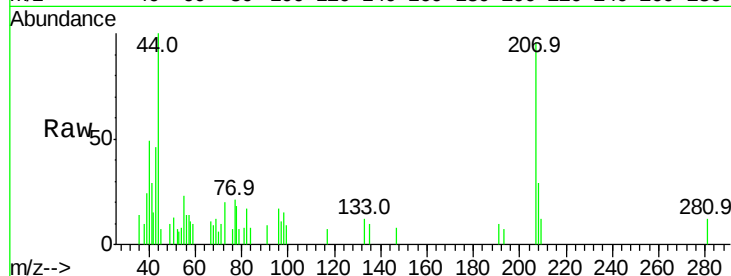
Tot Ion: 82 Resp: 200

Ion Ratio Lower Upper

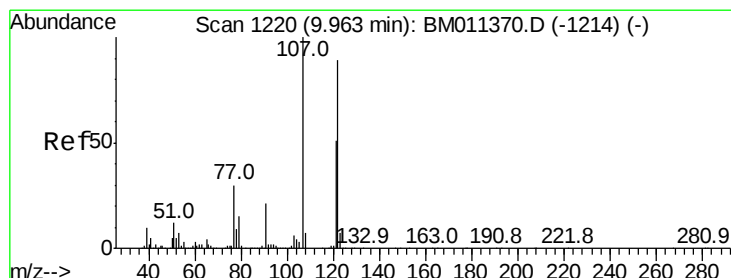
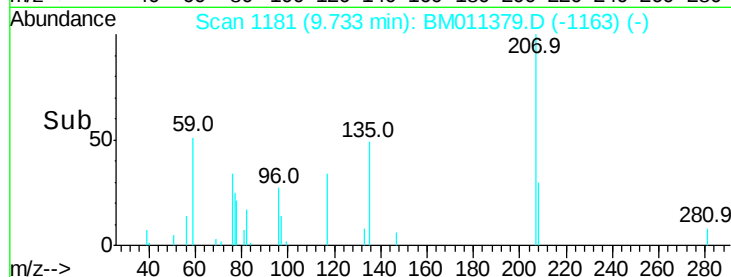
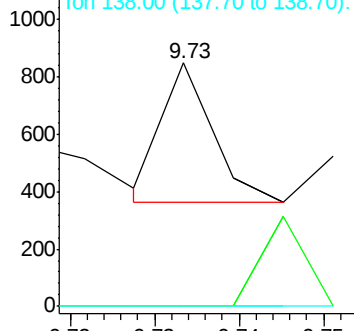
82 100

95 0.0 5.8 8.6#

138 0.0 16.3 24.5#



Abundance Ion 82.00 (81.70 to 82.70): BM011379.D (-1168) (-)



#27

2,4-Dimethylphenol

Concen: 0.008 ng

RT: 9.99 min Scan# 1224

Delta R.T. 0.02 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

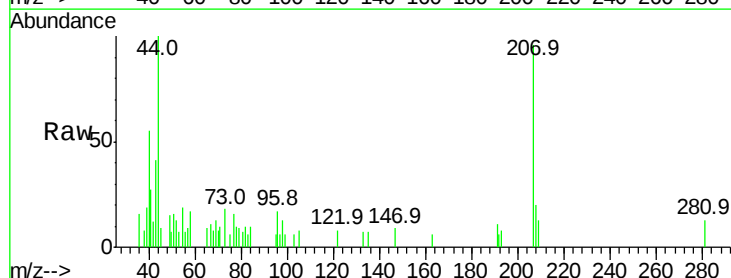
Tgt Ion: 122 Resp: 285

Ion Ratio Lower Upper

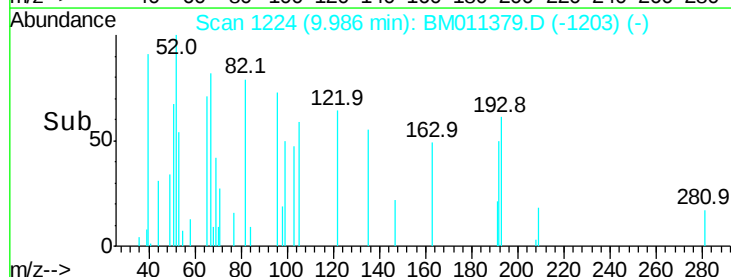
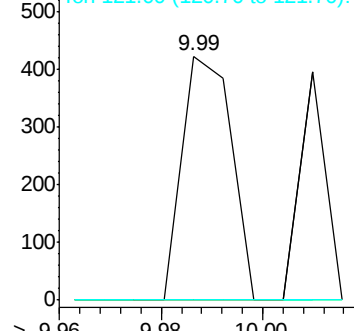
122 100

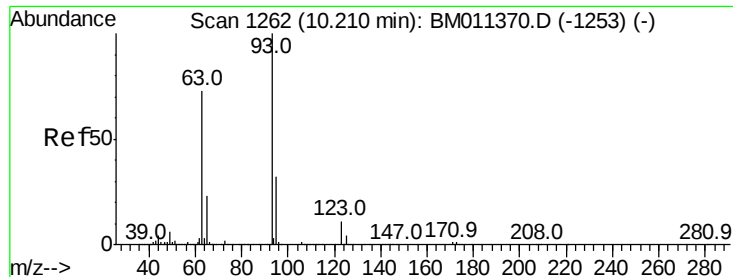
107 0.0 84.7 127.1#

121 0.0 46.6 69.8#



Abundance Ion 122.00 (121.70 to 122.70): BM011379.D (-1203) (-)





#28

bis(2-Chloroethoxy)methane

Concen: 0.002 ng

RT: 10.22 min Scan# 1264

Delta R.T. 0.01 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

Instrument :

BNA_M

ClientSampled :

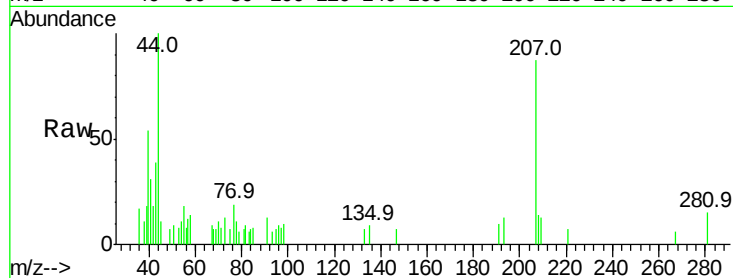
Tot Ion: 93 Resp: 117

Ion Ratio Lower Upper

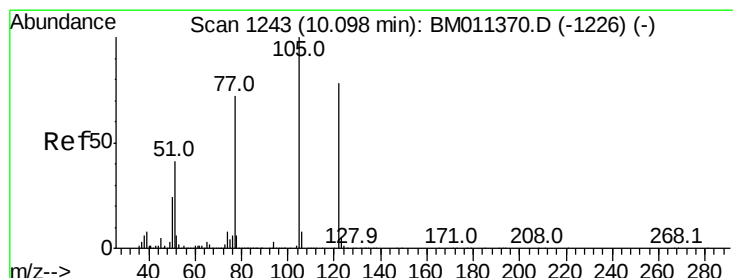
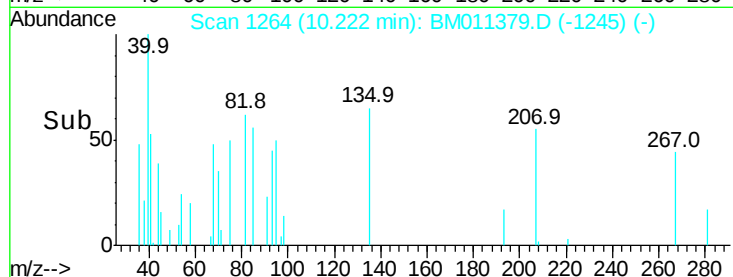
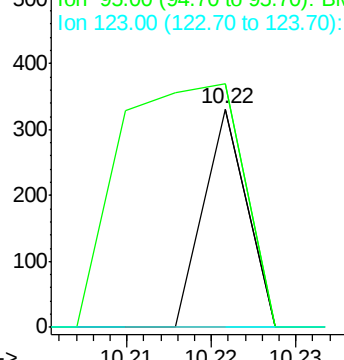
93 100

95 111.5 25.5 38.3#

123 0.0 8.6 13.0#



Abundance Ion 93.00 (92.70 to 93.70): BM011370.D (-1253) (-)



#32

Benzoic acid

Concen: 6.544 ng

RT: 10.13 min Scan# 1249

Delta R.T. 0.04 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

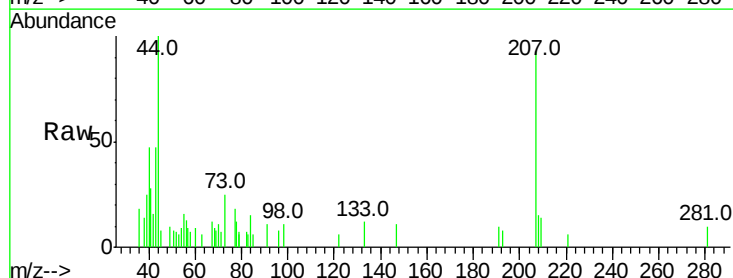
Tgt Ion: 122 Resp: 109

Ion Ratio Lower Upper

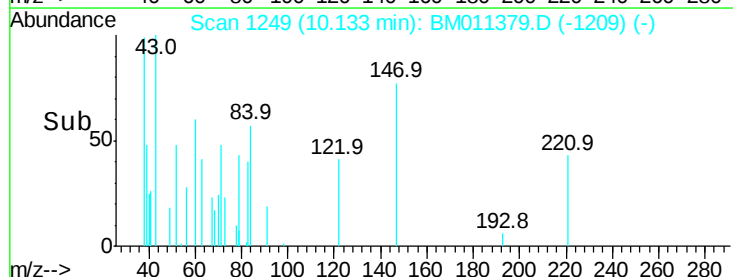
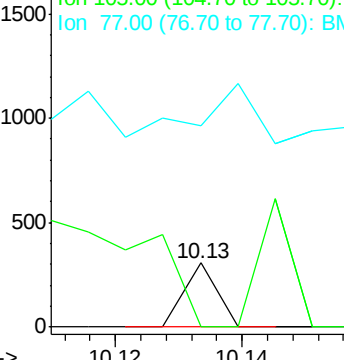
122 100

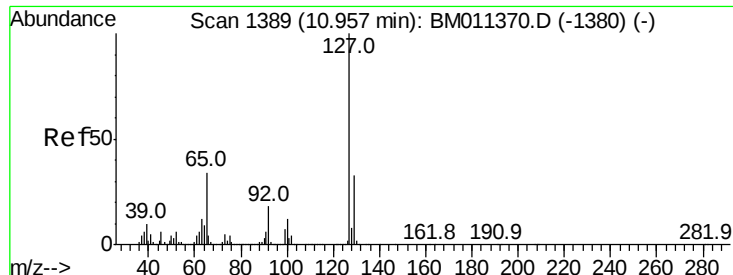
105 0.0 99.9 139.9#

77 312.3 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): BM011370.D (-1226) (-)

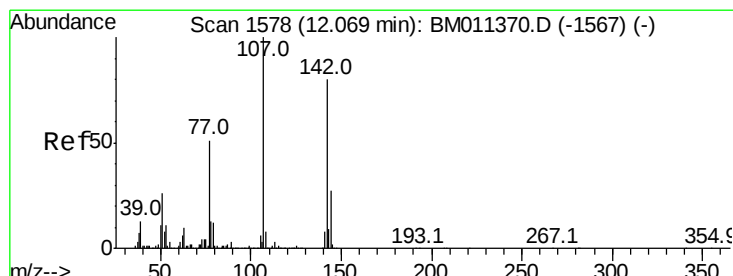
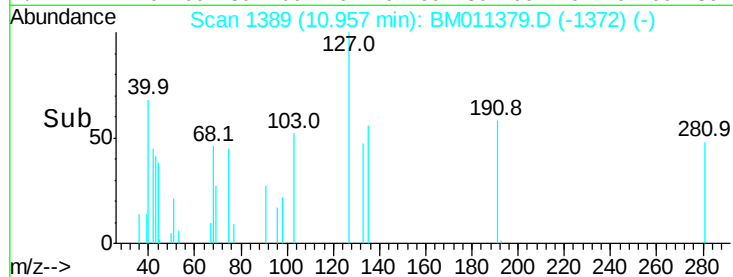
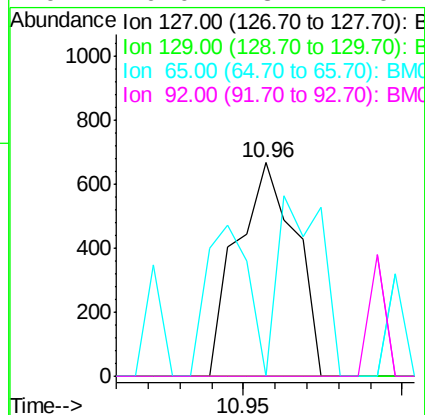
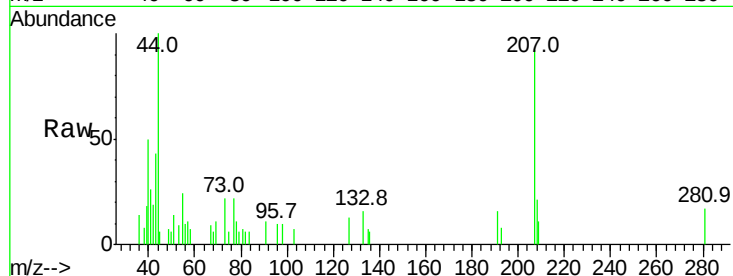




#33
4-Chloroaniline
Concen: 0.016 ng
RT: 10.96 min Scan# 1389
Delta R.T. 0.00 min
Lab File: BM011379.D
Acq: 31 Aug 2017 19:31

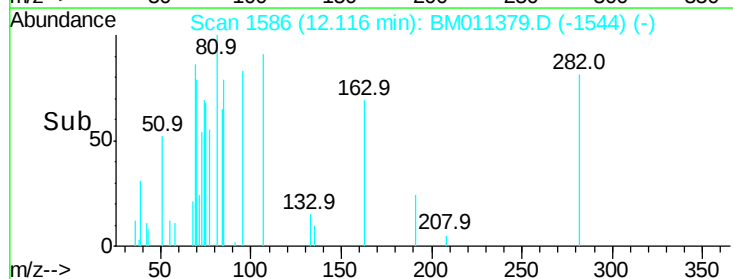
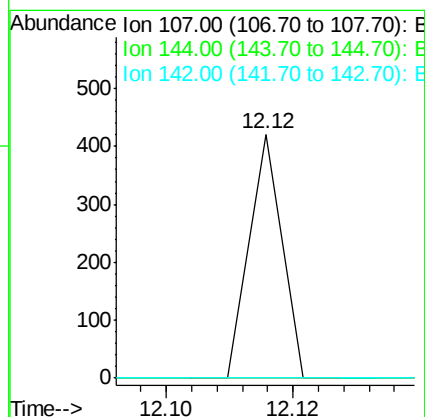
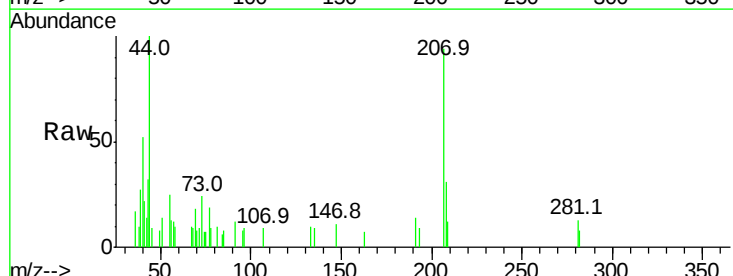
Instrument :
BNA_M
ClientSampleId :

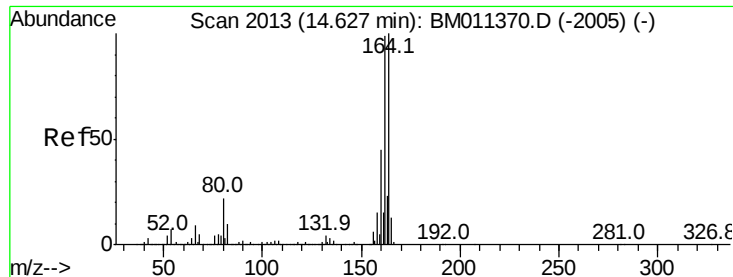
Tot Ion	Ratio	Lower	Upper
127	100		
129	0.0	25.3	37.9#
65	0.0	17.6	26.4#
92	0.0	13.1	19.7#



#36
4-Chloro-3-methylphenol
Concen: 0.004 ng
RT: 12.12 min Scan# 1586
Delta R.T. 0.05 min
Lab File: BM011379.D
Acq: 31 Aug 2017 19:31

Tgt 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: BM011379.D

Acq: 31 Aug 2017 19:31

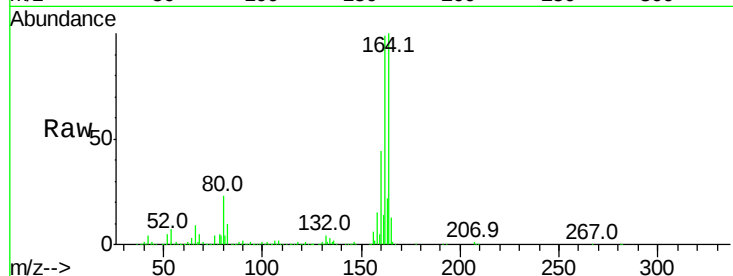
Instrument :

BNA_M

ClientSampled :

Tot Ion:164 Resp: 1255139

Ion	Ratio	Lower	Upper
164	100		
162	98.7	82.4	123.6
160	44.5	35.8	53.6

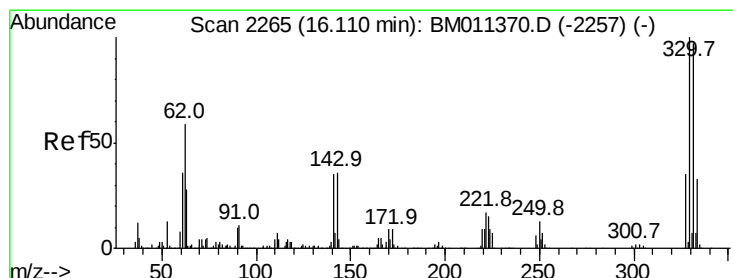
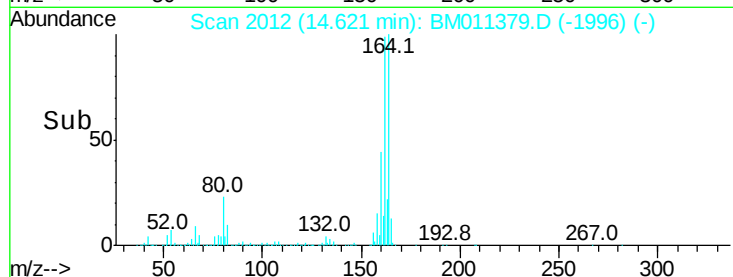
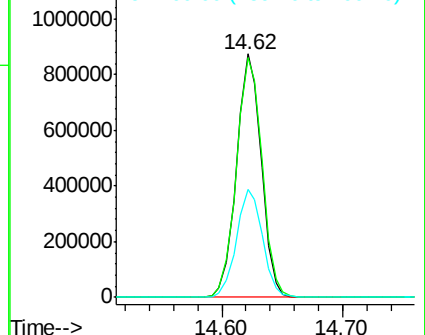


Abundance

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: 125.763 ng

RT: 16.10 min Scan# 2264

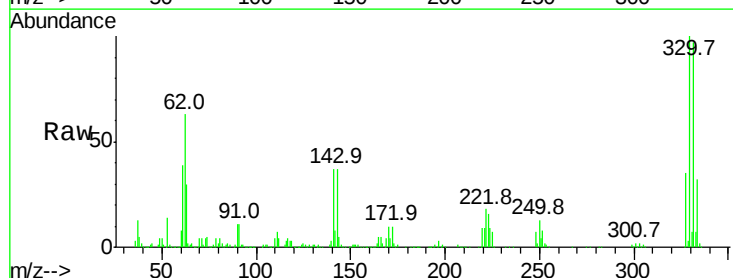
Delta R.T. -0.01 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

Tgt Ion:330 Resp: 1826261

Ion	Ratio	Lower	Upper
330	100		
332	96.9	0.0	0.0#
141	36.9	0.0	0.0#

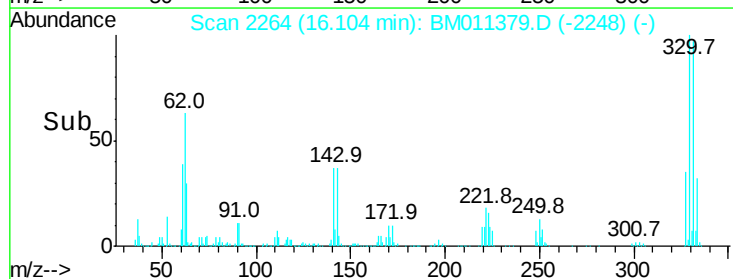
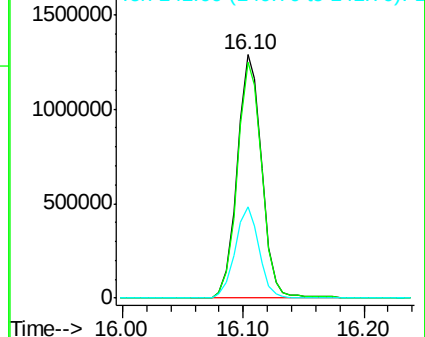


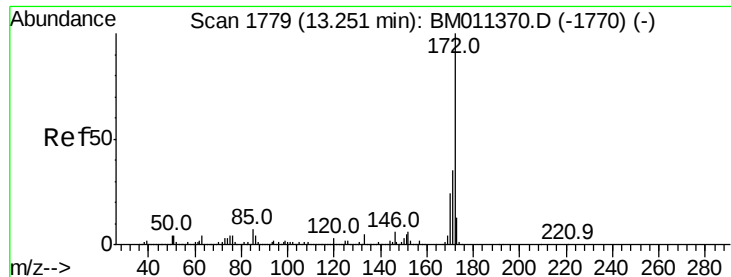
Abundance

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



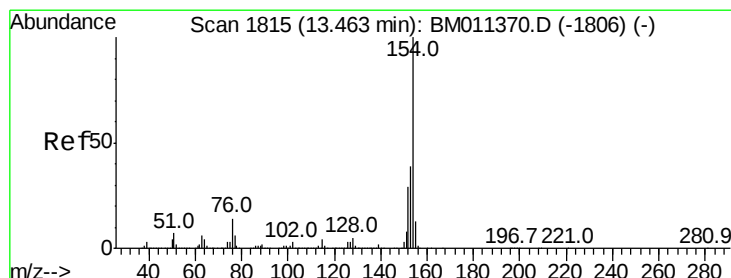
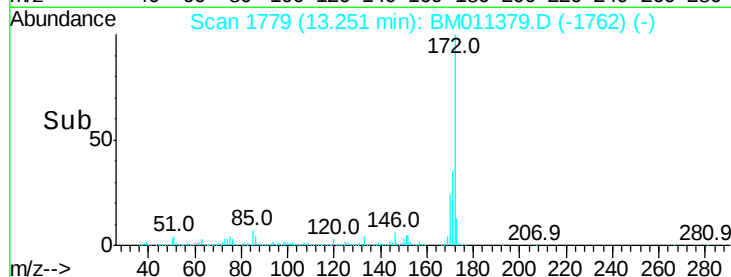
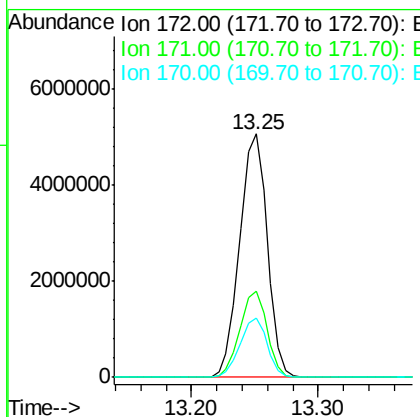
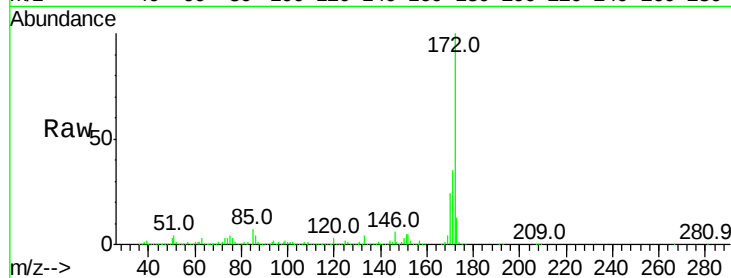


#44
 2-Fluorobiphenyl
 Concen: 87.561 ng
 RT: 13.25 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: BM011379.D
 Acq: 31 Aug 2017 19:31

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:172 Resp: 7624183

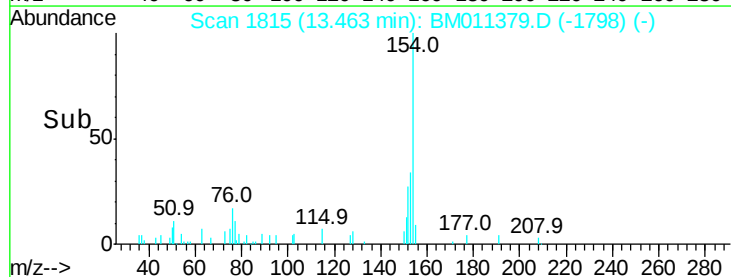
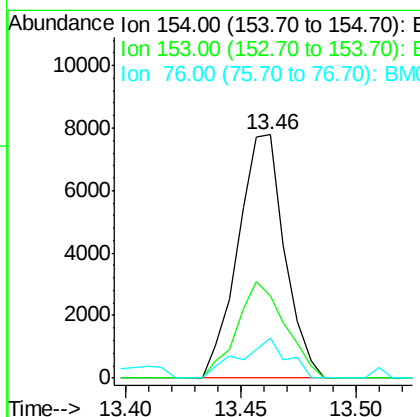
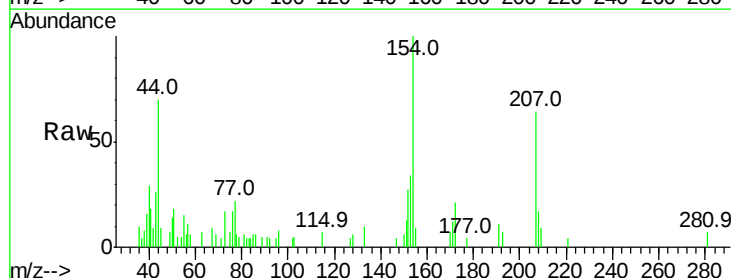
Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.5	42.7
170	24.1	18.8	28.2

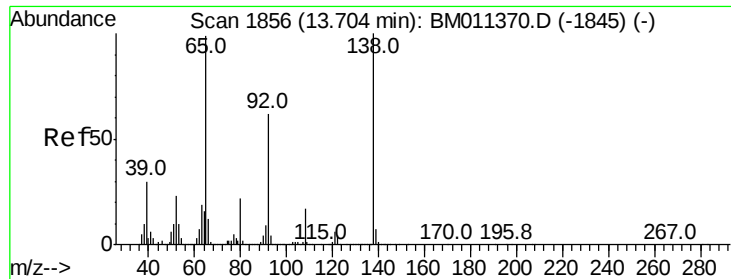


#45
 1,1'-Biphenyl
 Concen: 0.099 ng
 RT: 13.46 min Scan# 1815
 Delta R.T. 0.00 min
 Lab File: BM011379.D
 Acq: 31 Aug 2017 19:31

Tgt Ion:154 Resp: 10984

Ion	Ratio	Lower	Upper
154	100		
153	33.6	20.7	60.7
76	16.5	0.0	30.9





#47

2-Nitroaniline

Concen: 5.447 ng

RT: 13.69 min Scan# 1853

Delta R.T. -0.02 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

Instrument :

BNA_M

ClientSampleId :

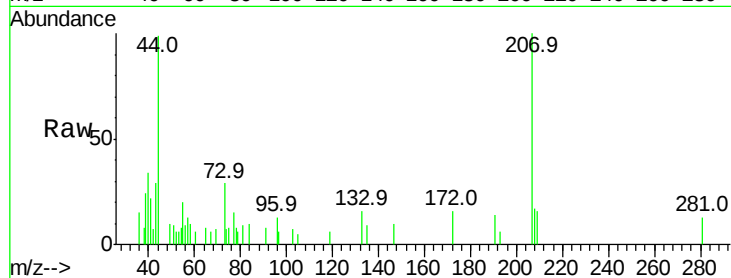
Tot Ion: 65 Resp: 271

Ion Ratio Lower Upper

65 100

92 0.0 59.1 88.7#

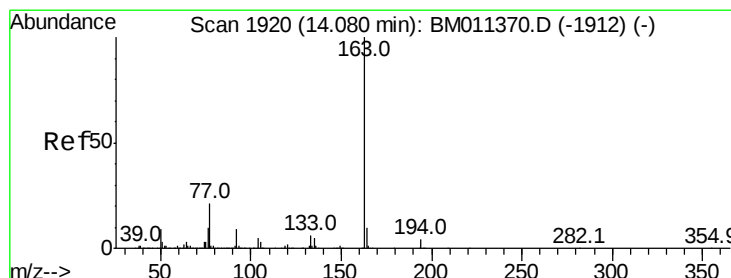
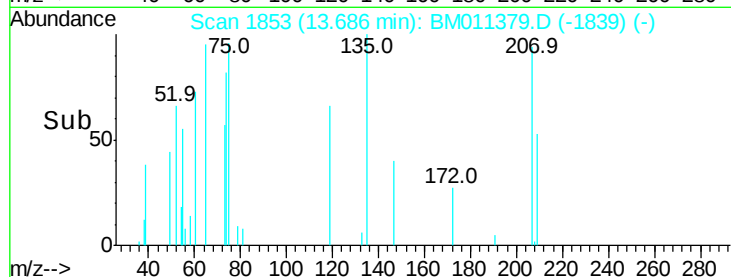
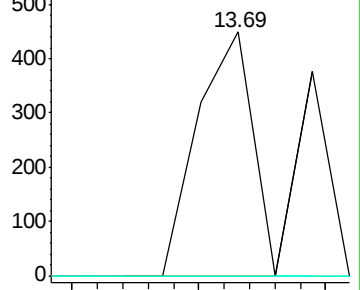
138 0.0 93.9 140.9#



Abundance Ion 65.00 (64.70 to 65.70): BM011370.D (-1845) (-)

Ion 92.00 (91.70 to 92.70): BM011370.D (-1845) (-)

Ion 138.00 (137.70 to 138.70): BM011370.D (-1845) (-)



#49

Dimethylphthalate

Concen: 0.001 ng

RT: 14.07 min Scan# 1919

Delta R.T. -0.01 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

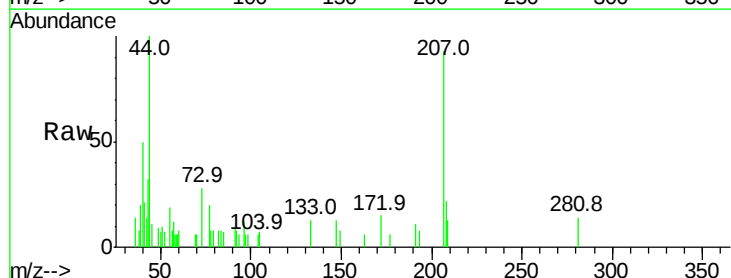
Tgt Ion: 163 Resp: 112

Ion Ratio Lower Upper

163 100

194 0.0 2.7 4.1#

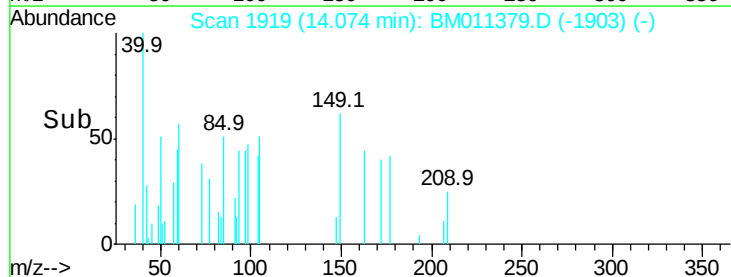
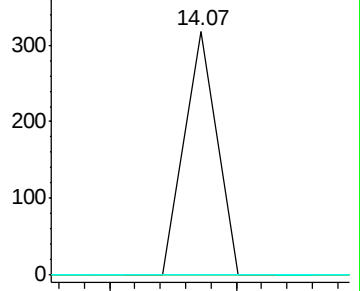
164 0.0 8.2 12.2#

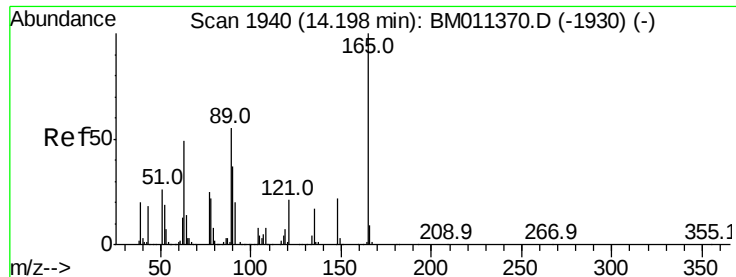


Abundance Ion 163.00 (162.70 to 163.70): BM011370.D (-1912) (-)

Ion 194.00 (193.70 to 194.70): BM011370.D (-1912) (-)

Ion 164.00 (163.70 to 164.70): BM011370.D (-1912) (-)

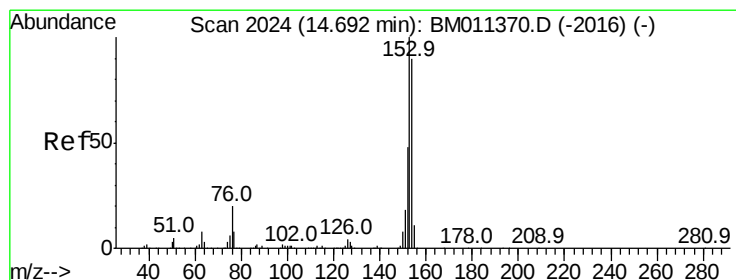
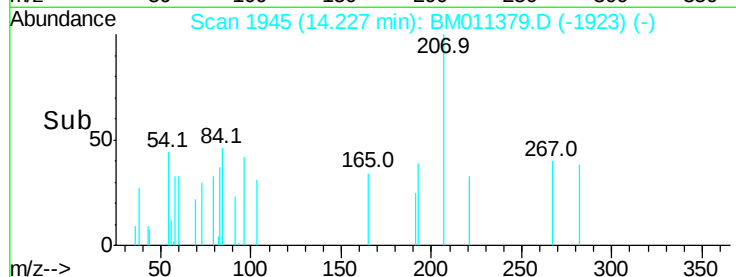
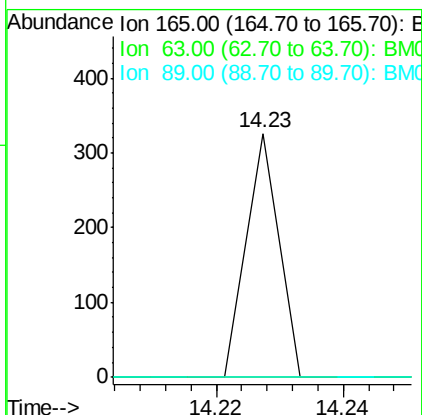
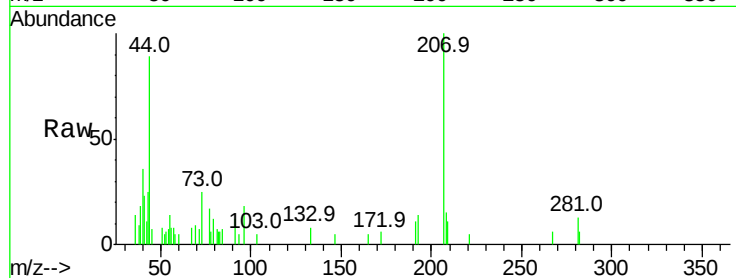




#50
2,6-Dinitrotoluene
Concen: 0.006 ng
RT: 14.23 min Scan# 1945
Delta R.T. 0.03 min
Lab File: BM011379.D
Acq: 31 Aug 2017 19:31

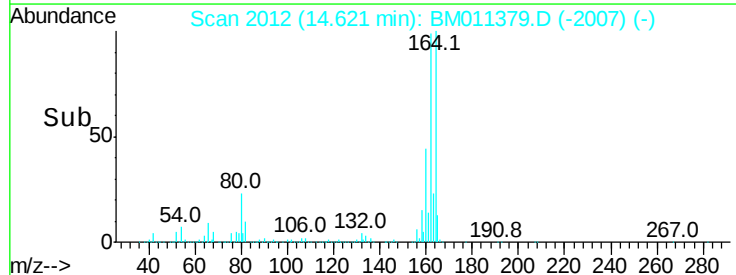
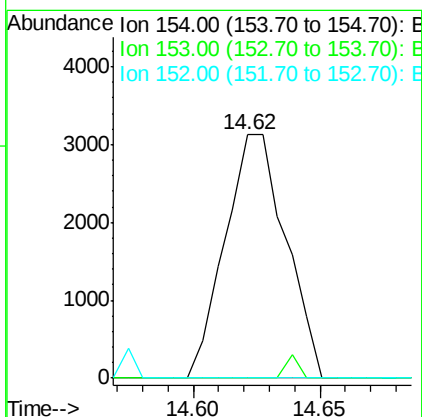
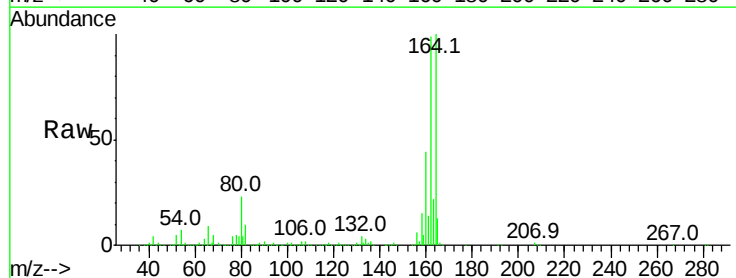
Instrument :
BNA_M
ClientSampleId :

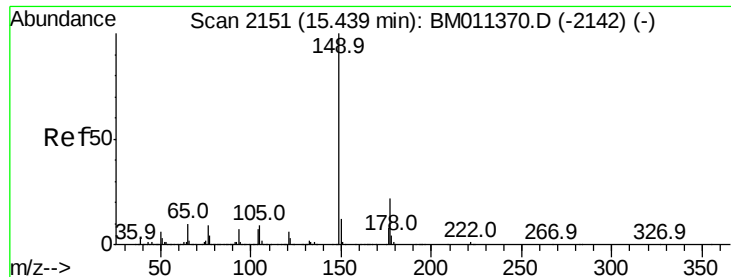
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.1	66.1#
89	0.0	44.3	66.5#



#51
Acenaphthene
Concen: 0.062 ng
RT: 14.62 min Scan# 2012
Delta R.T. -0.07 min
Lab File: BM011379.D
Acq: 31 Aug 2017 19:31

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





#59

Diethylphthalate

Concen: 0.021 ng

RT: 15.43 min Scan# 2149

Delta R.T. -0.01 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

Instrument :

BNA_M

ClientSampleId :

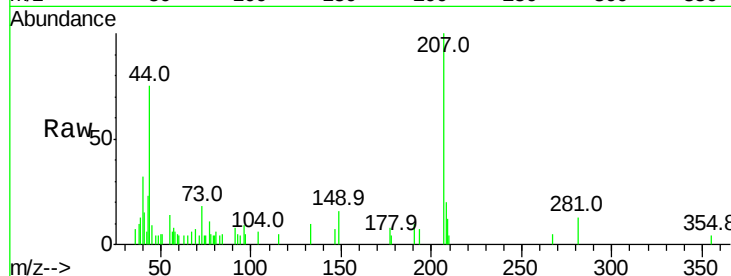
Tot Ion:149 Resp: 2143

Ion Ratio Lower Upper

149 100

177 47.6 18.3 27.5#

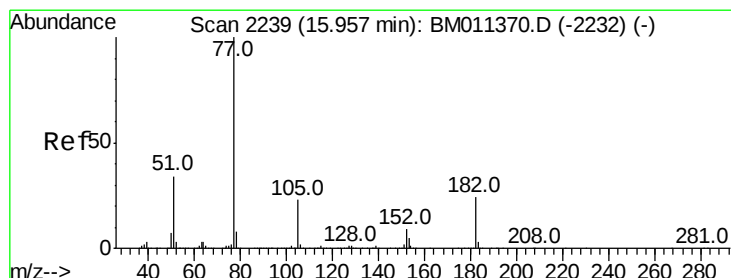
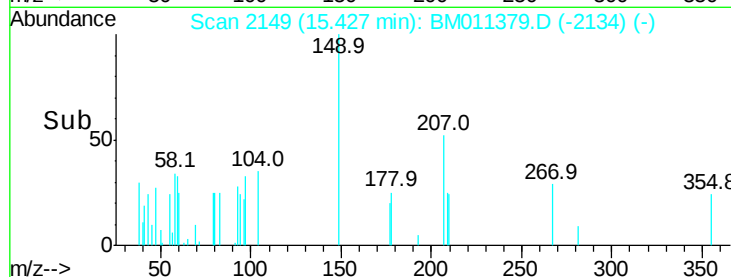
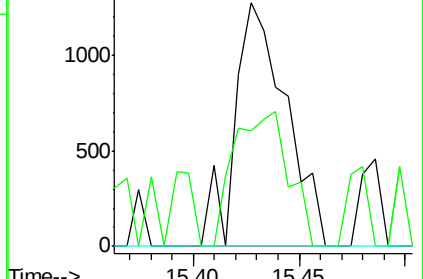
150 0.0 9.8 14.8#



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



#62

Azobenzene

Concen: 0.012 ng

RT: 15.94 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

Tgt Ion: 77 Resp: 1111

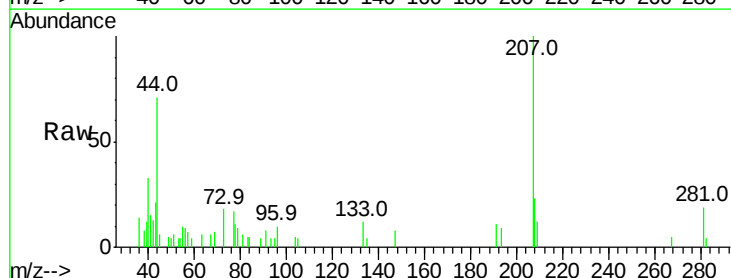
Ion Ratio Lower Upper

77 100

182 0.0 6.5 46.5#

105 24.5 3.8 43.8

51 37.5 5.5 45.5

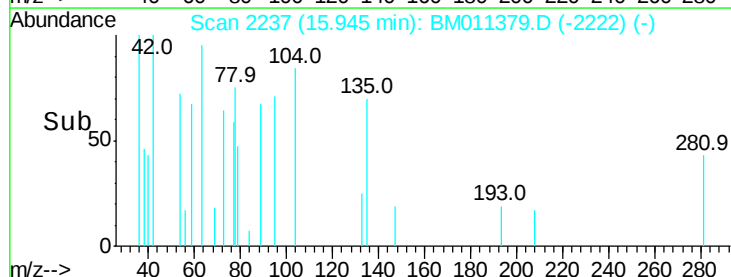
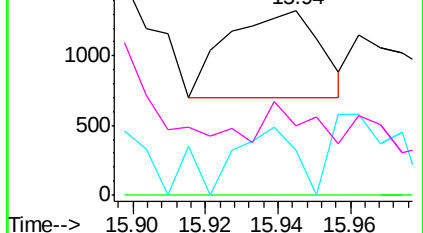


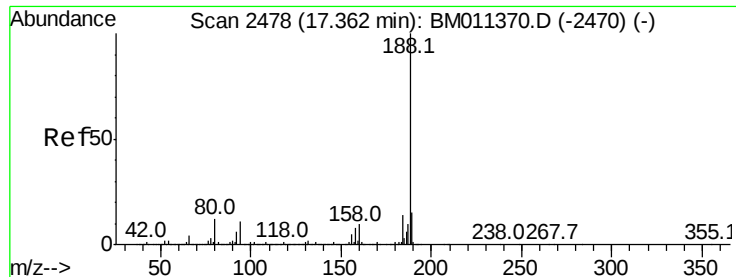
Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM0

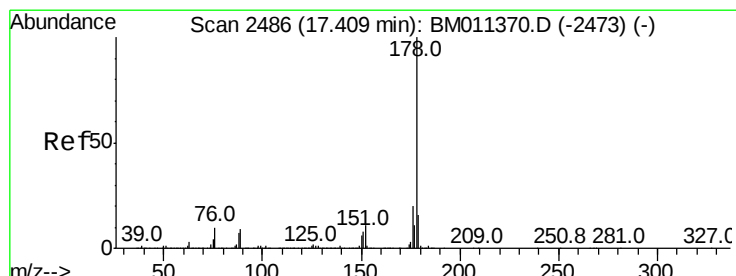
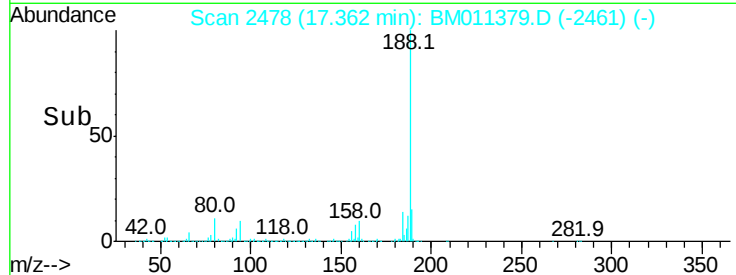
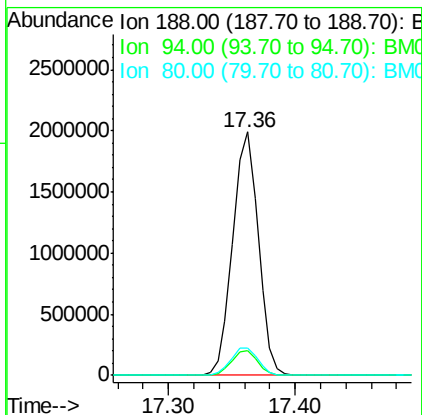
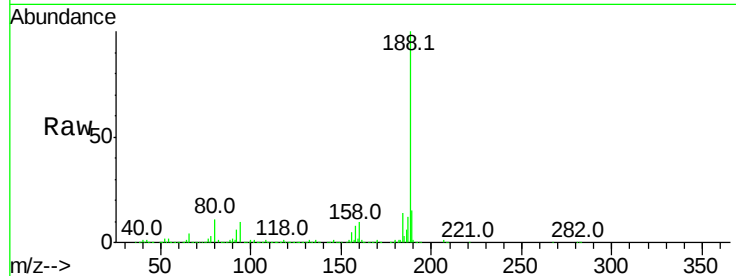




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.36 min Scan# 2478
 Delta R.T. 0.00 min
 Lab File: BM011379.D
 Acq: 31 Aug 2017 19:31

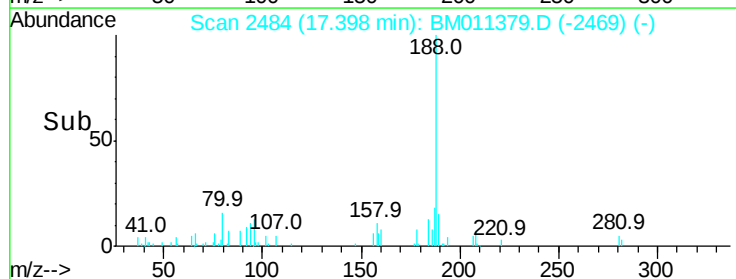
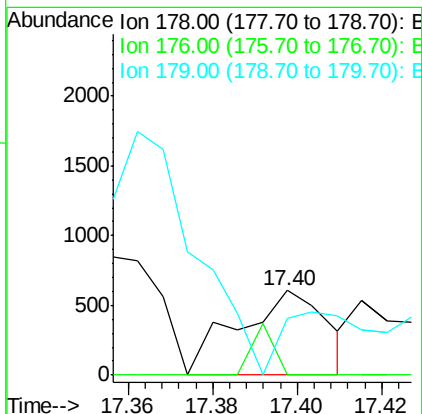
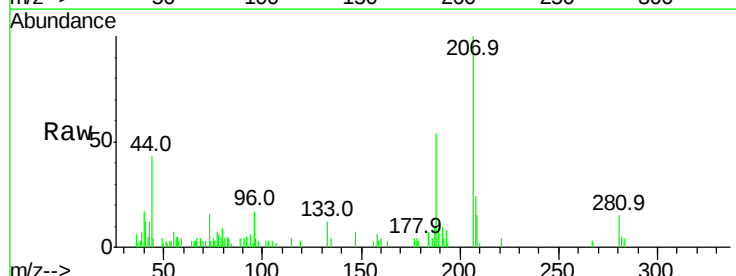
Instrument :
 BNA_M
 ClientSampled :

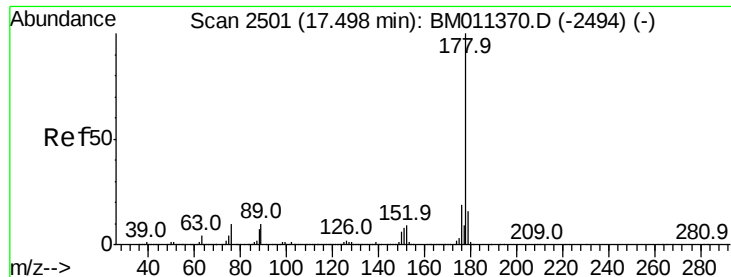
Tot Ion:188 Resp: 2779001
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.7 13.1
 80 11.3 9.3 13.9



#70
 Phenanthrene
 Concen: 0.006 ng
 RT: 17.40 min Scan# 2484
 Delta R.T. -0.01 min
 Lab File: BM011379.D
 Acq: 31 Aug 2017 19:31

Tgt Ion:178 Resp: 881
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.2 22.8#
 179 40.2 12.1 18.1#

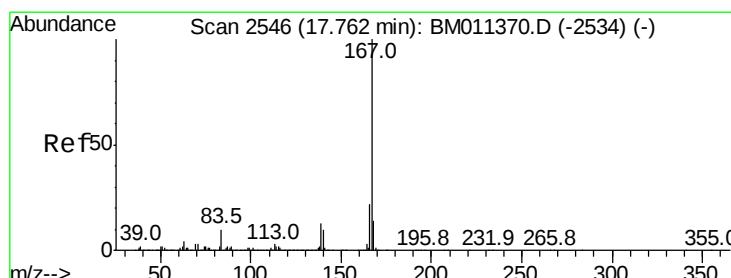
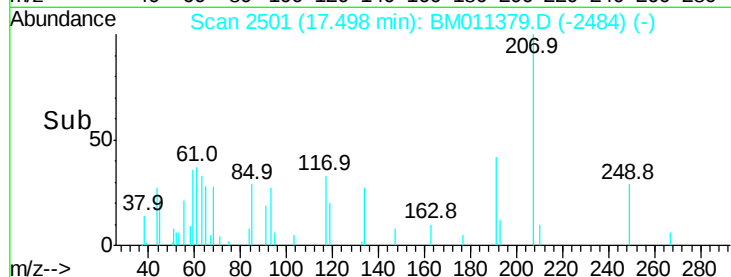
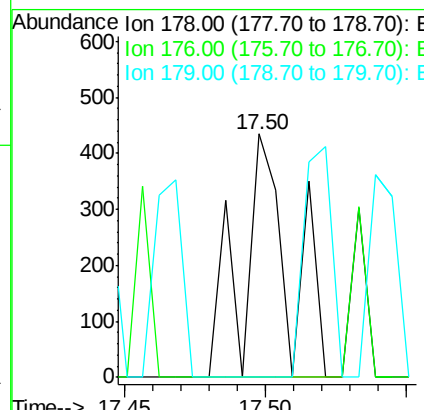
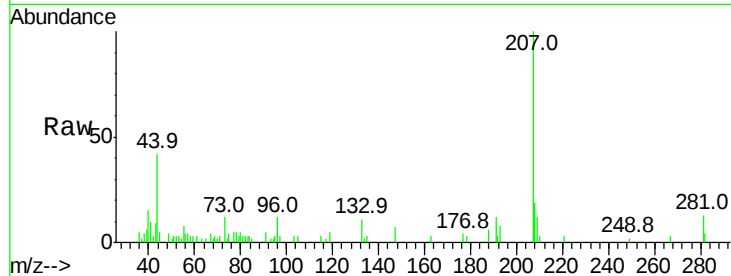




#71
 Anthracene
 Concen: 0.003 ng
 RT: 17.50 min Scan# 2501
 Delta R.T. 0.00 min
 Lab File: BM011379.D
 Acq: 31 Aug 2017 19:31

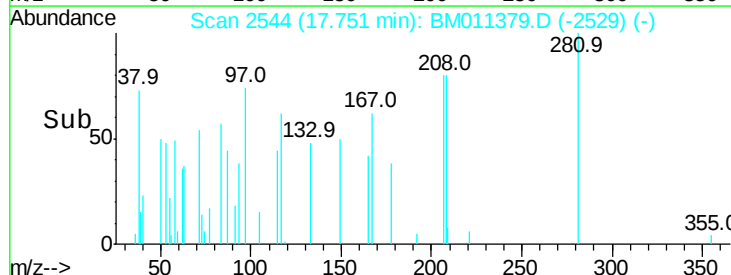
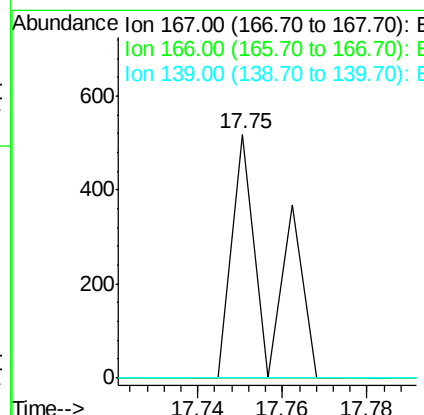
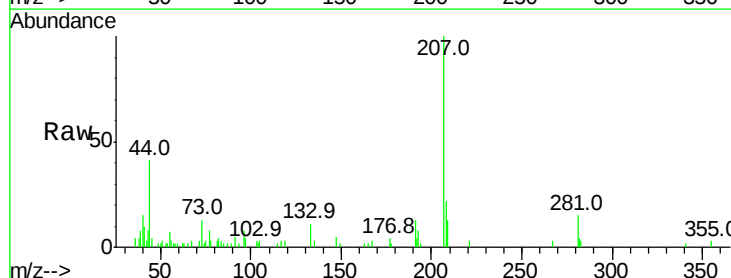
Instrument :
 BNA_M
 ClientSampled :

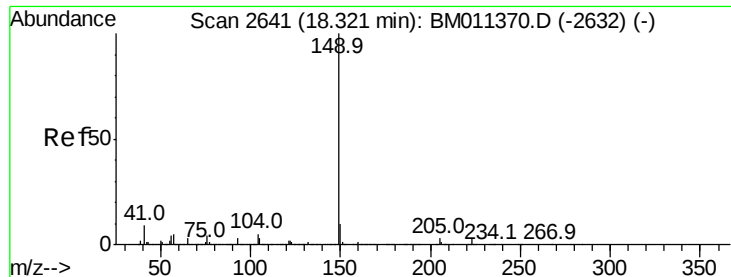
Tot Ion:178 Resp: 507
 Ion Ratio Lower Upper
 178 100
 176 0.0 14.6 22.0#
 179 0.0 12.6 19.0#



#72
 Carbazole
 Concen: 0.002 ng
 RT: 17.75 min Scan# 2544
 Delta R.T. -0.01 min
 Lab File: BM011379.D
 Acq: 31 Aug 2017 19:31

Tgt Ion:167 Resp: 313
 Ion Ratio Lower Upper
 167 100
 166 0.0 17.2 25.8#
 139 0.0 10.8 16.2#





#73

Di-n-butylphthalate

Concen: 0.015 ng

RT: 18.32 min Scan# 2640

Delta R.T. -0.01 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

Instrument :

BNA_M

ClientSampleId :

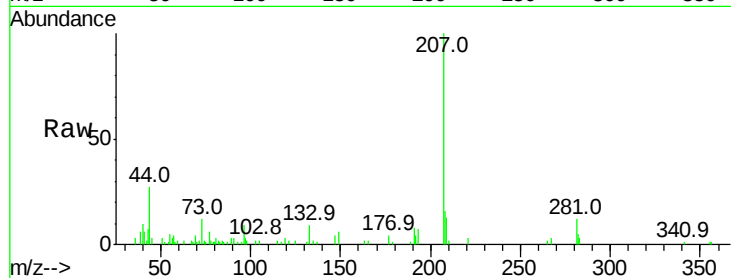
Tot Ion:149 Resp: 2596

Ion Ratio Lower Upper

149 100

150 0.0 7.5 11.3#

104 0.0 3.7 5.5#

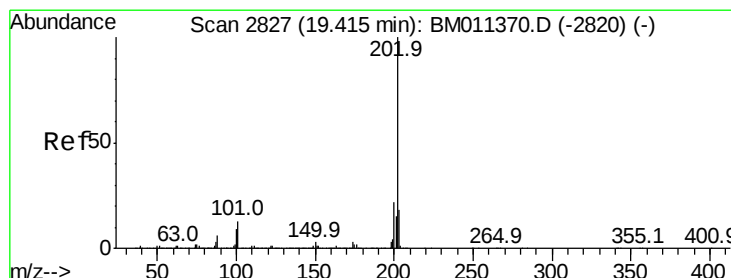
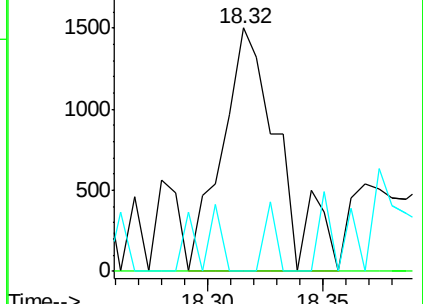
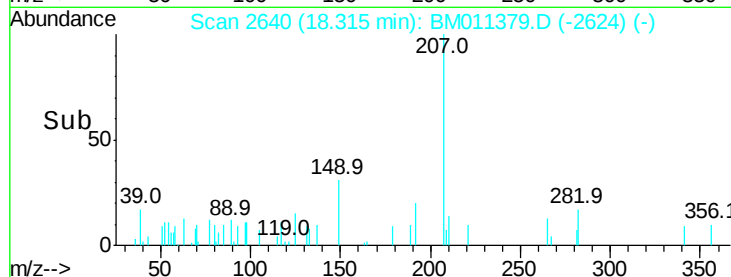


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

Time-->



#74

Fluoranthene

Concen: 0.001 ng

RT: 19.41 min Scan# 2826

Delta R.T. -0.01 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

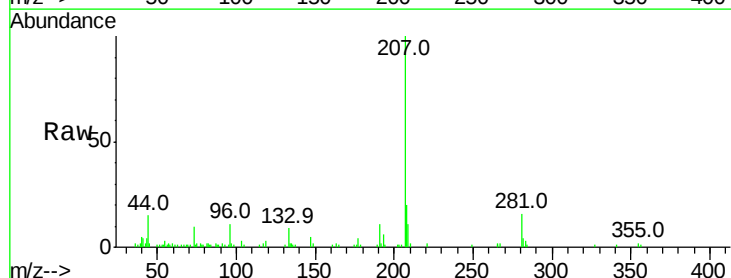
Tgt Ion:202 Resp: 142

Ion Ratio Lower Upper

202 100

101 0.0 0.0 28.7

203 75.9 0.0 37.2#

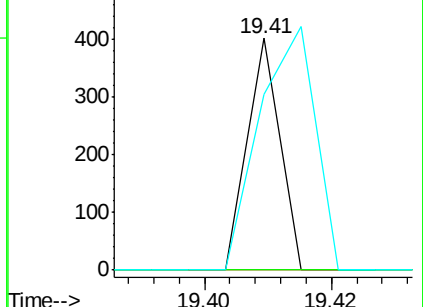
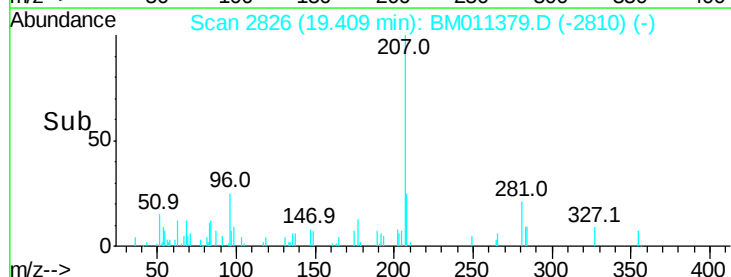


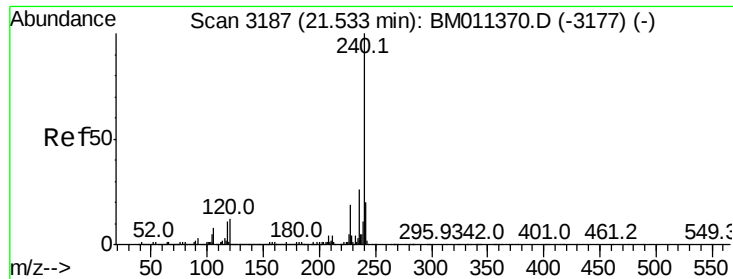
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.52 min Scan# 3185

Delta R.T. -0.01 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

Instrument :

BNA_M

ClientSampleId :

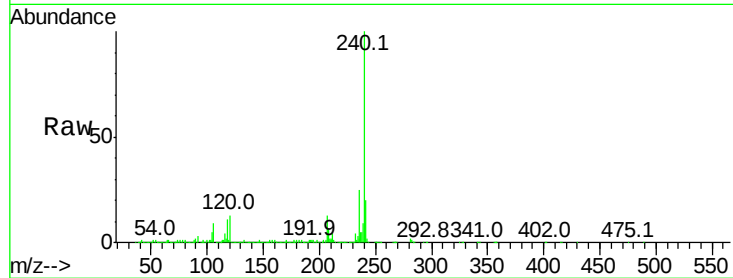
Tot Ion:240 Resp: 2900083

Ion Ratio Lower Upper

240 100

120 12.7 8.2 12.2#

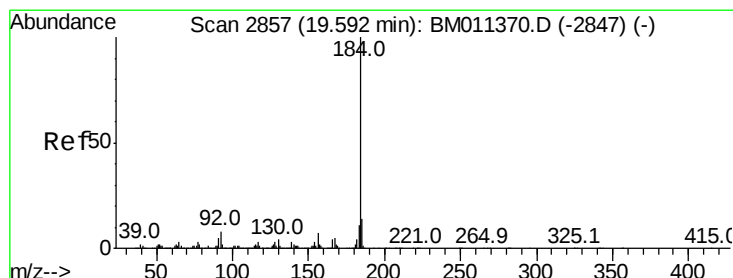
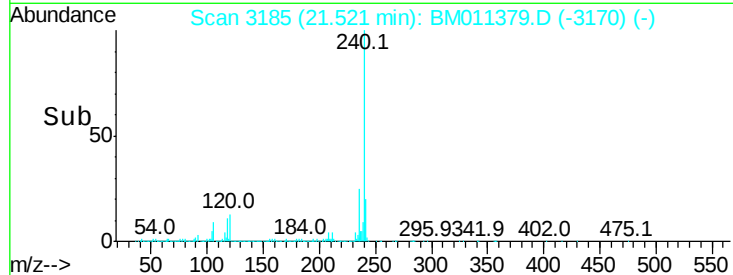
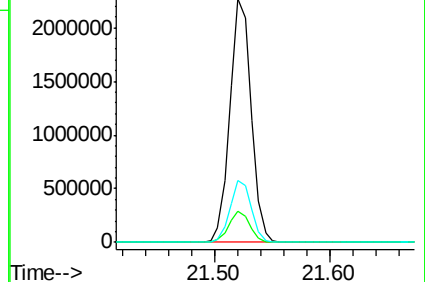
236 25.3 20.0 30.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 0.362 ng

RT: 19.59 min Scan# 2857

Delta R.T. 0.00 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

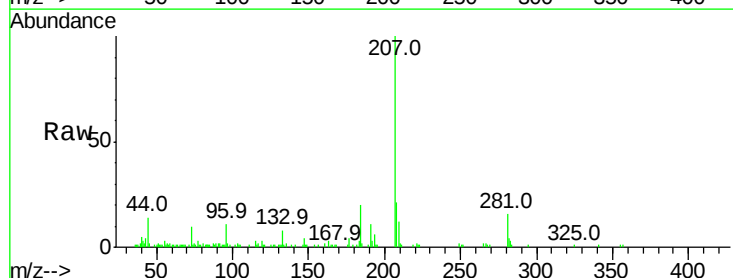
Tgt Ion:184 Resp: 20693

Ion Ratio Lower Upper

184 100

185 11.2 11.3 16.9#

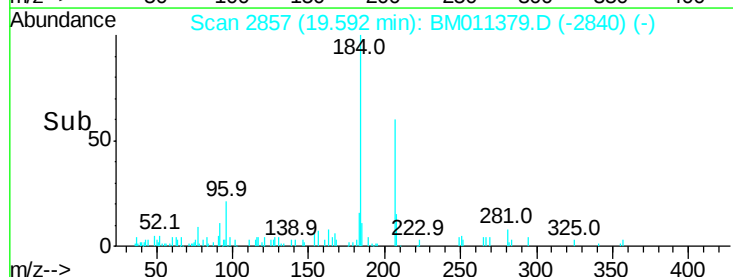
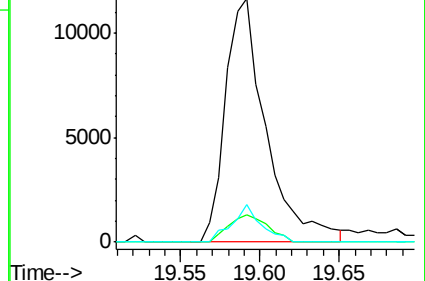
183 15.5 8.9 13.3#

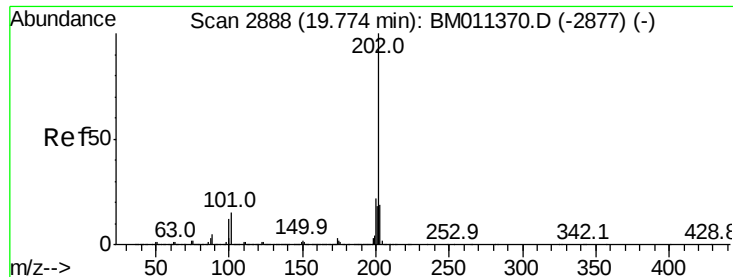


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

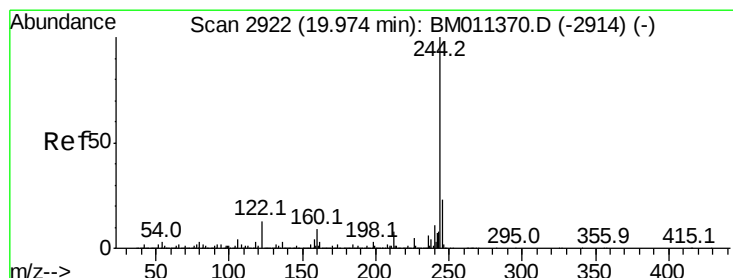
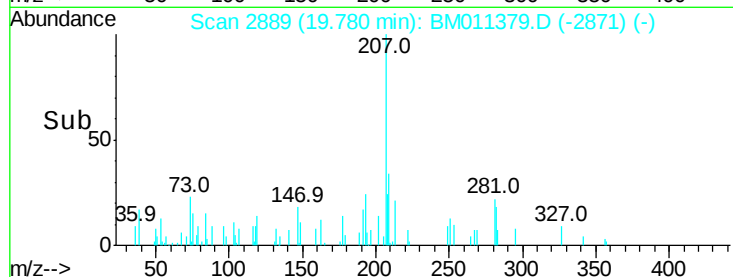
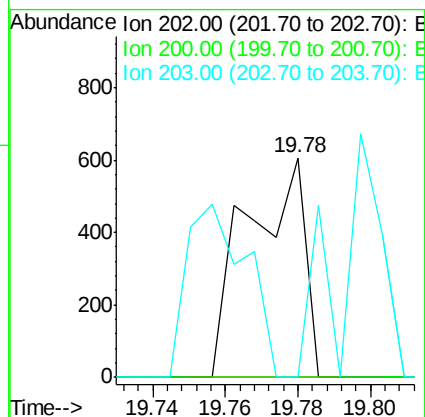
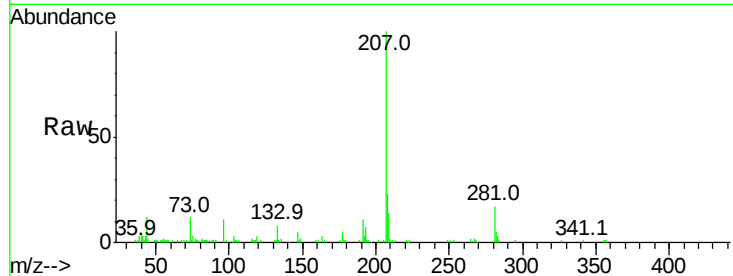




#77
Pvrene
Concen: 0.004 ng
RT: 19.78 min Scan# 2889
Delta R.T. 0.01 min
Lab File: BM011379.D
Acq: 31 Aug 2017 19:31

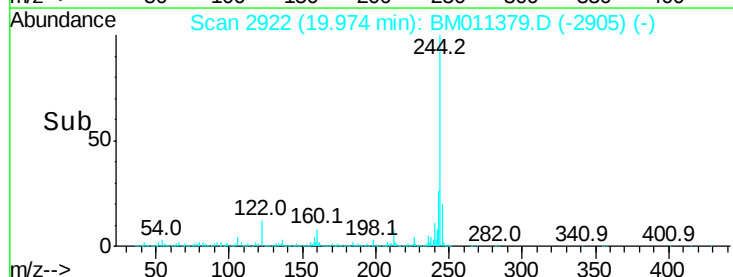
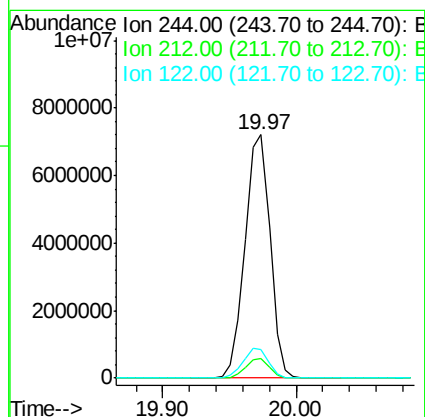
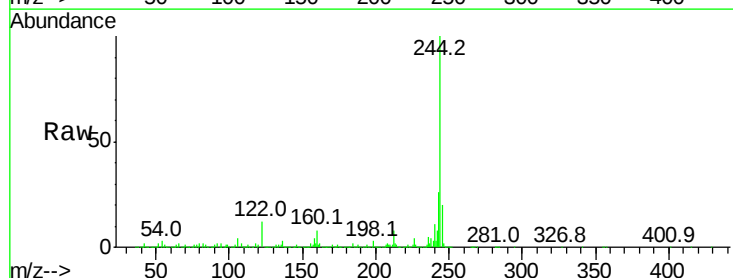
Instrument :
BNA_M
ClientSampled :

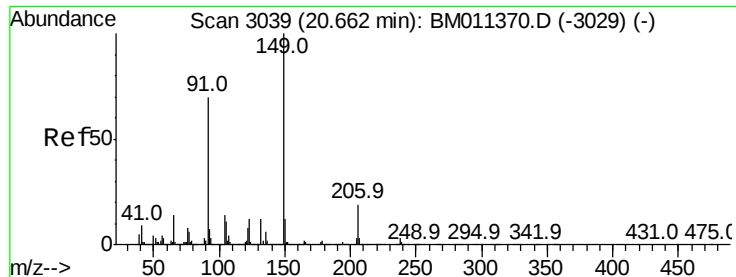
Tot Ion	Ratio	Lower	Upper
202	100		
200	0.0	16.9	25.3#
203	0.0	14.1	21.1#



#78
Terphenyl-d14
Concen: 79.601 ng
RT: 19.97 min Scan# 2922
Delta R.T. 0.00 min
Lab File: BM011379.D
Acq: 31 Aug 2017 19:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	4.9	7.3#
122	11.5	6.2	9.4#

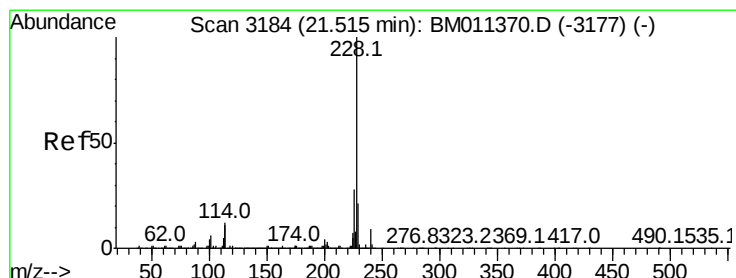
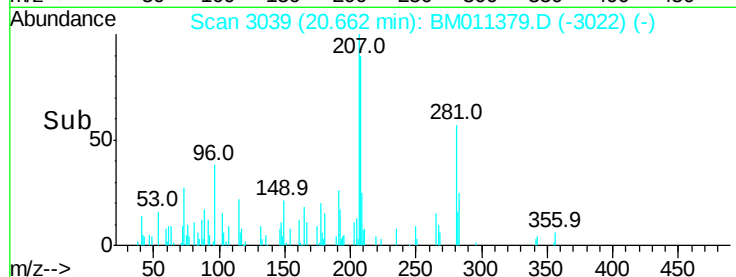
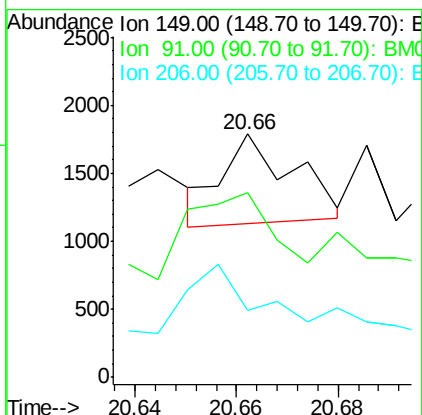
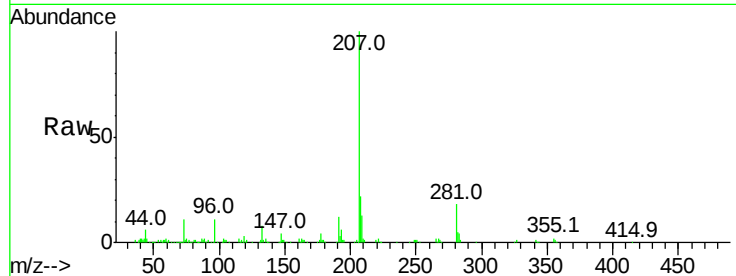




#79
Butylbenzylphthalate
Concen: 0.008 ng
RT: 20.66 min Scan# 3039
Delta R.T. 0.00 min
Lab File: BM011379.D
Acq: 31 Aug 2017 19:31

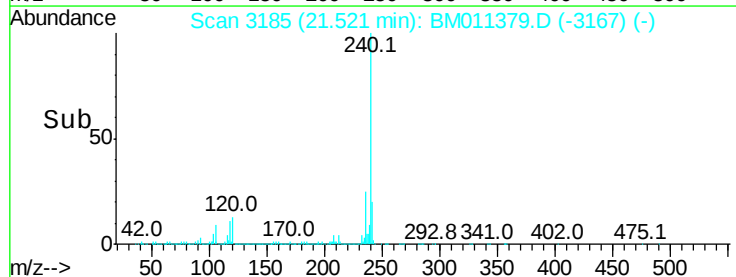
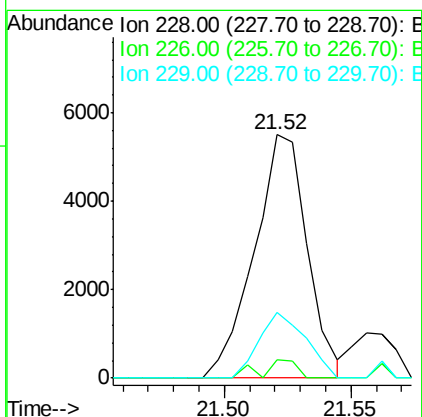
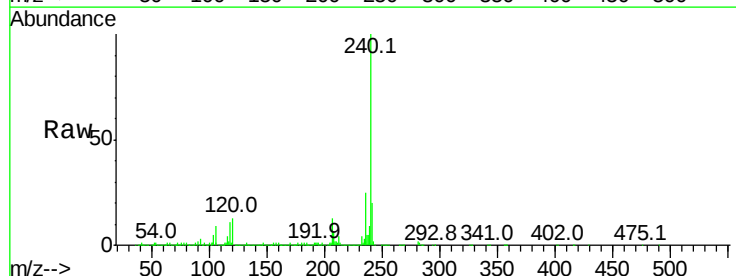
Instrument :
BNA_M
ClientSampleId :

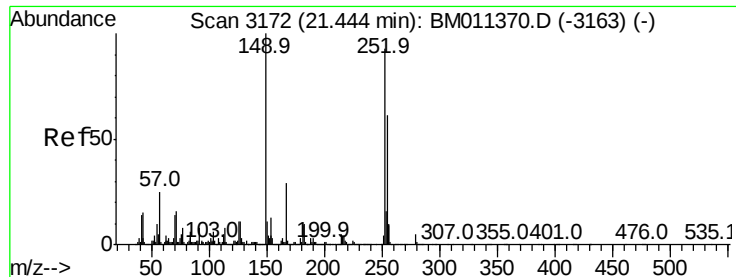
Tot Ion:149 Resp: 635
Ion Ratio Lower Upper
149 100
91 75.6 50.1 75.1#
206 27.2 16.2 24.2#



#80
Benzo(a)anthracene
Concen: 0.049 ng
RT: 21.52 min Scan# 3185
Delta R.T. 0.01 min
Lab File: BM011379.D
Acq: 31 Aug 2017 19:31

Tgt Ion:228 Resp: 8020
Ion Ratio Lower Upper
228 100
226 7.5 21.7 32.5#
229 27.0 16.0 24.0#





#81

3,3'-Dichlorobenzidine

Concen: 0.014 ng

RT: 21.44 min Scan# 3171

Delta R.T. -0.01 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

Instrument :

BNA_M

ClientSampled :

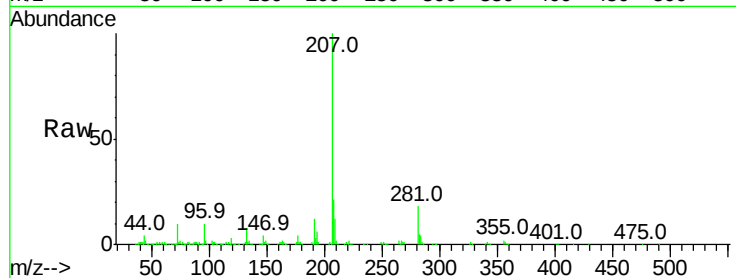
Tot Ion:252 Resp: 891

Ion Ratio Lower Upper

252 100

254 58.8 51.9 77.9

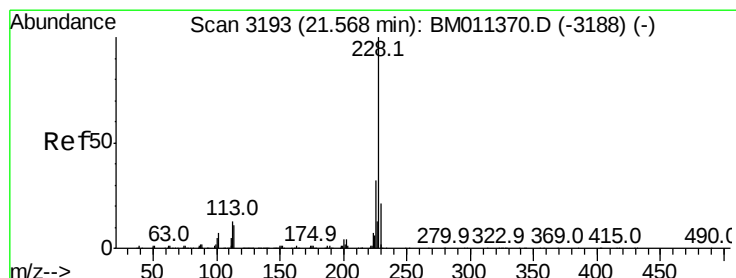
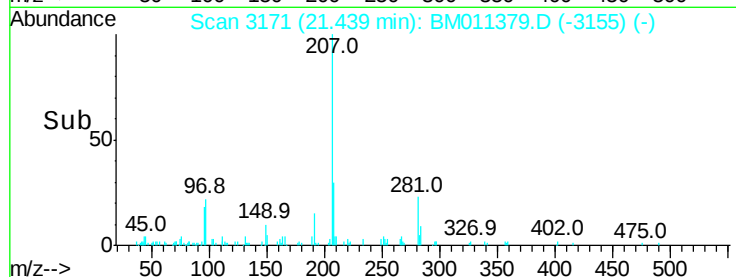
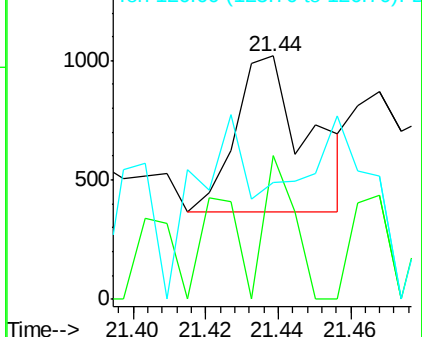
126 48.2 9.8 14.8#



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: 0.008 ng

RT: 21.56 min Scan# 3191

Delta R.T. -0.01 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

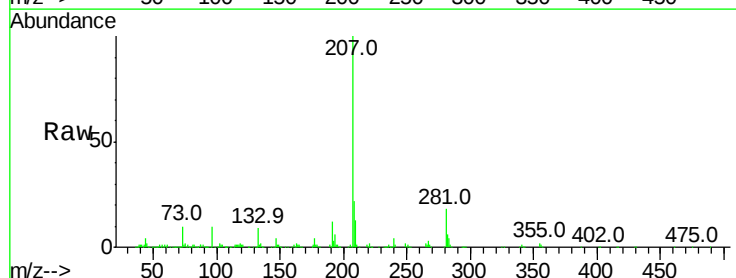
Tgt Ion:228 Resp: 1188

Ion Ratio Lower Upper

228 100

226 0.0 24.1 36.1#

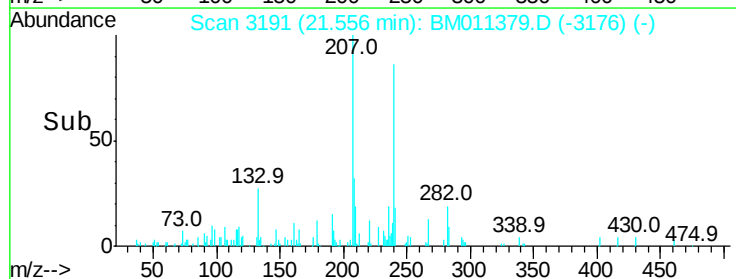
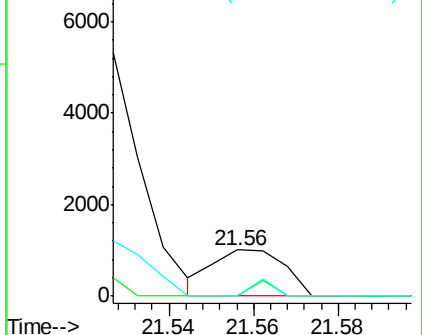
229 0.0 15.5 23.3#

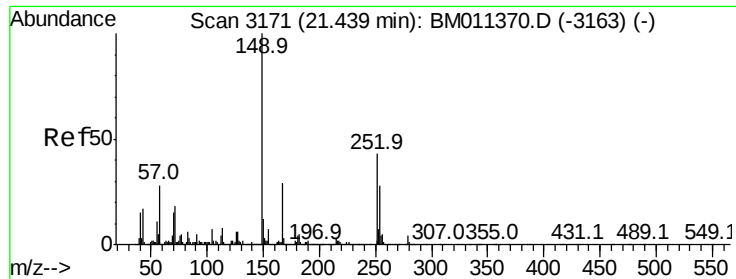


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

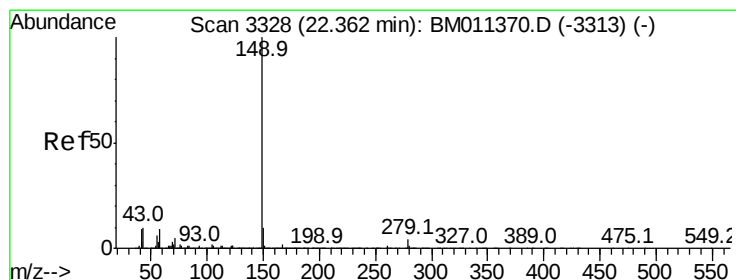
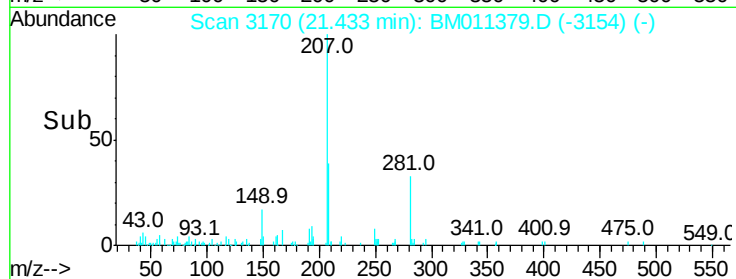
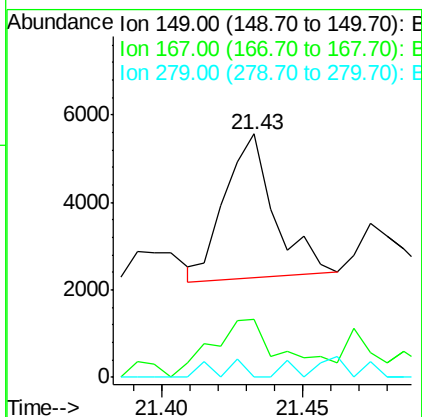
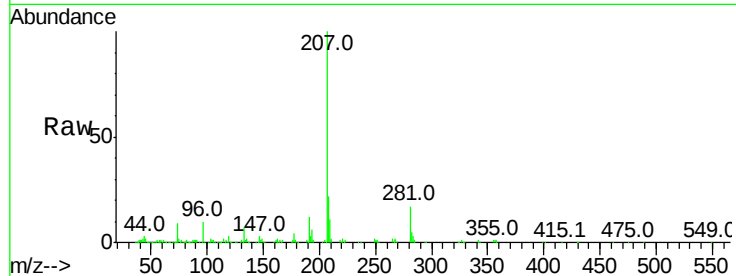




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.035 ng
 RT: 21.43 min Scan# 3170
 Delta R.T. -0.01 min
 Lab File: BM011379.D
 Acq: 31 Aug 2017 19:31

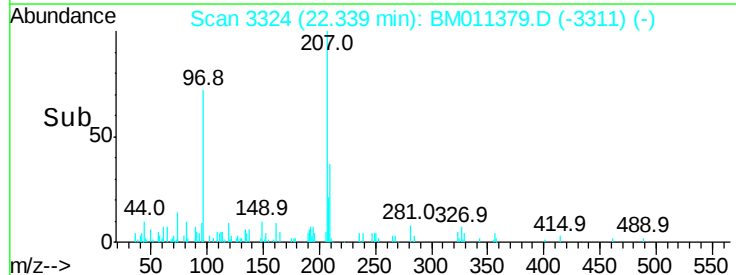
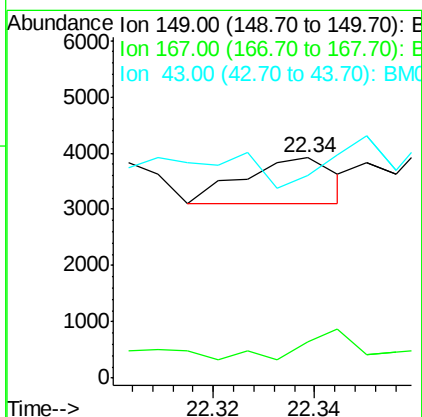
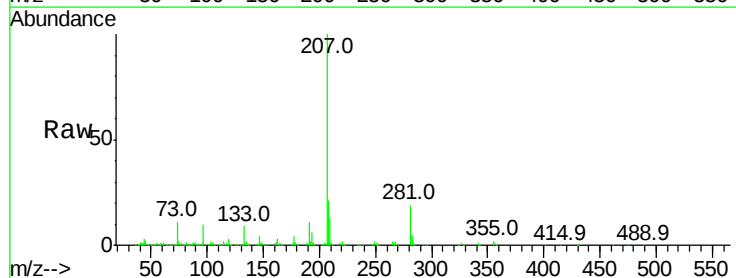
Instrument :
 BNA_M
 ClientSampled :

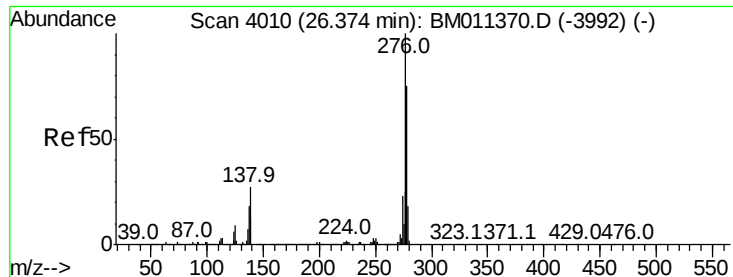
Tot Ion:149 Resp: 4021
 Ion Ratio Lower Upper
 149 100
 167 23.9 22.4 33.6
 279 0.0 3.4 5.0#



#84
 Di-n-octyl phthalate
 Concen: 0.005 ng
 RT: 22.34 min Scan# 3324
 Delta R.T. -0.02 min
 Lab File: BM011379.D
 Acq: 31 Aug 2017 19:31

Tgt Ion:149 Resp: 1034
 Ion Ratio Lower Upper
 149 100
 167 41.9 1.2 1.8#
 43 70.5 7.3 10.9#

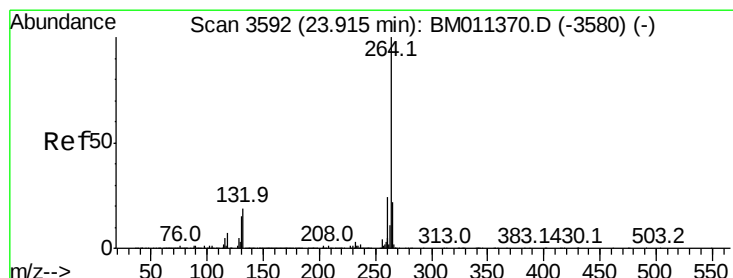
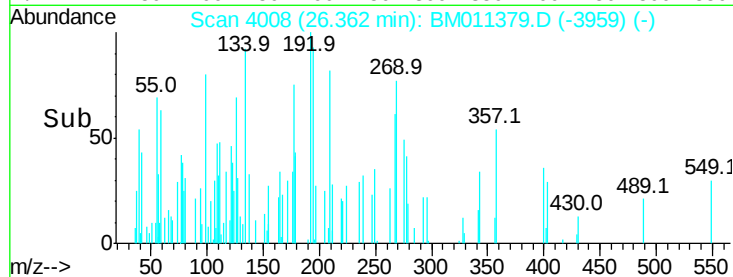
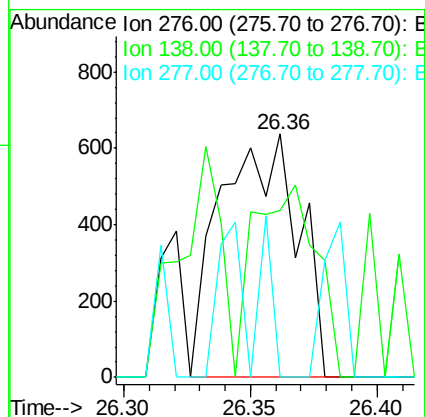
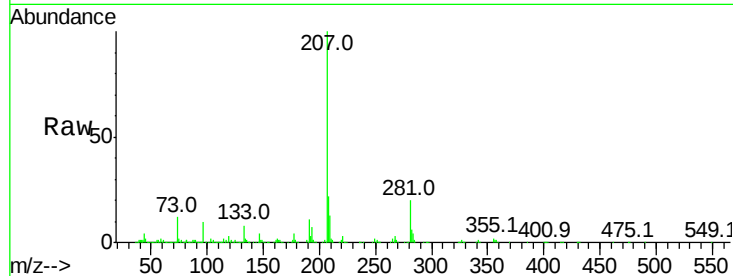




#85
Indeno(1,2,3-cd)pyrene
Concen: 0.010 ng
RT: 26.36 min Scan# 4008
Delta R.T. -0.01 min
Lab File: BM011379.D
Acq: 31 Aug 2017 19:31

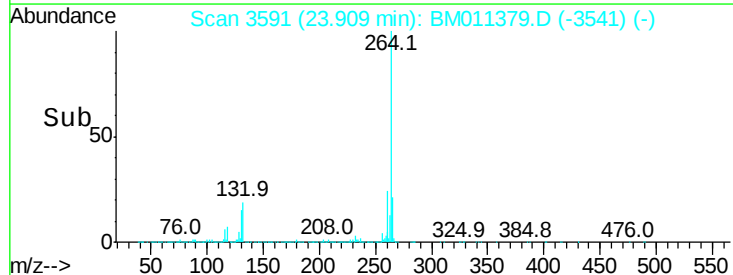
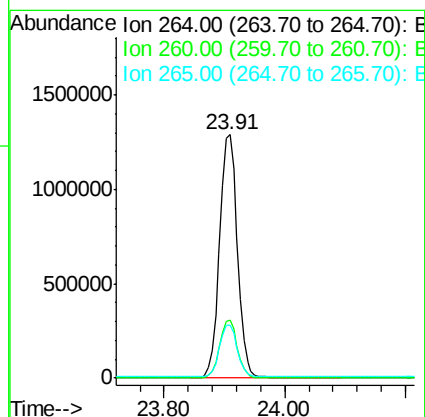
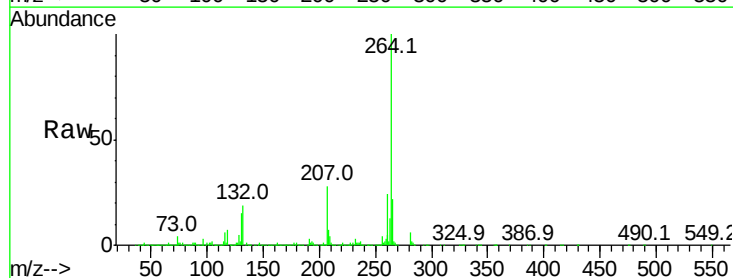
Instrument :
BNA_M
ClientSampleId :

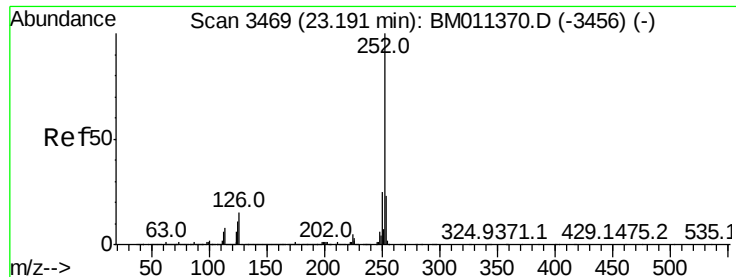
Tot Ion:276 Resp: 1363
Ion Ratio Lower Upper
276 100
138 63.6 12.0 18.0#
277 30.7 20.0 30.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.91 min Scan# 3591
Delta R.T. -0.01 min
Lab File: BM011379.D
Acq: 31 Aug 2017 19:31

Tgt Ion:264 Resp: 2642442
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 22.0 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 0.014 ng

RT: 23.18 min Scan# 3467

Delta R.T. -0.01 min

Lab File: BM011379.D

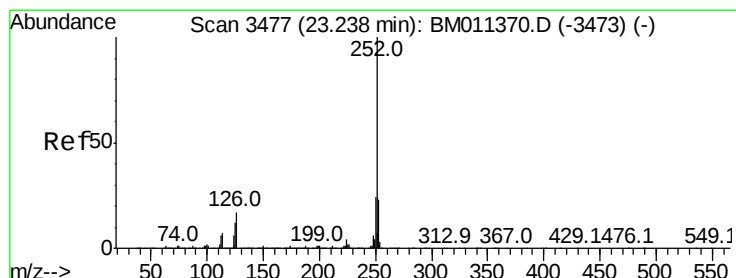
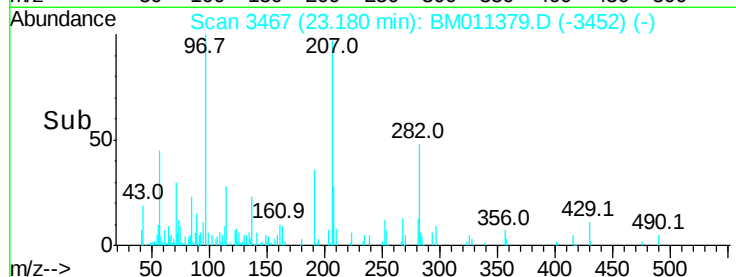
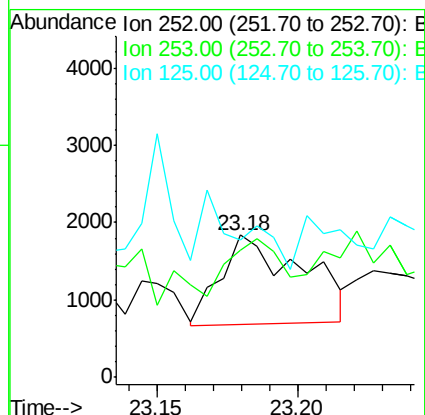
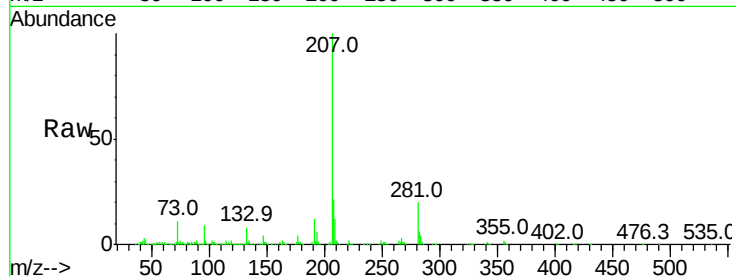
Acq: 31 Aug 2017 19:31

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	252	Resp:	2300
Ion	Ratio	Lower	Upper
252	100		
253	89.6	18.0	27.0#
125	96.8	9.9	14.9#



#88

Benzo(k)fluoranthene

Concen: 0.006 ng

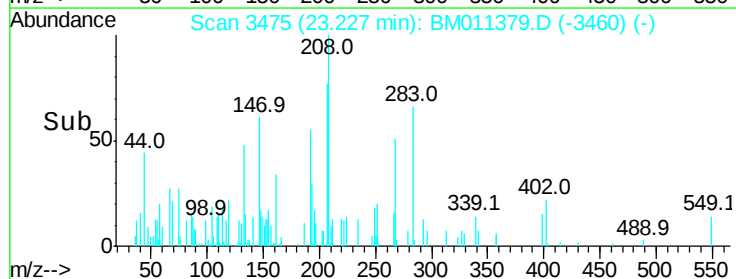
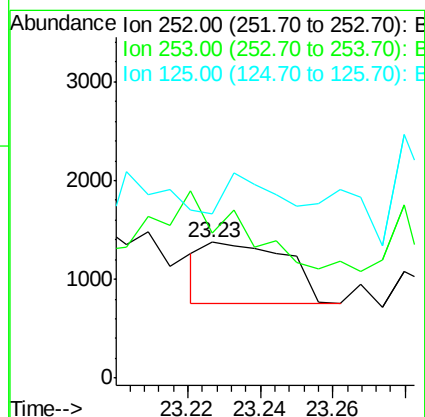
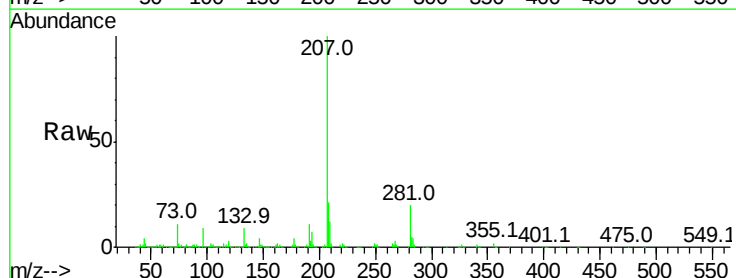
RT: 23.23 min Scan# 3475

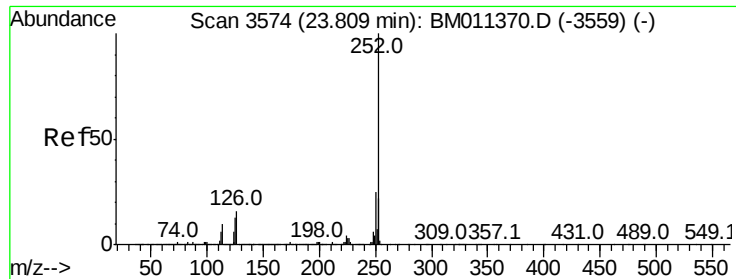
Delta R.T. -0.01 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

Tgt Ion:	252	Resp:	971
Ion	Ratio	Lower	Upper
252	100		
253	107.1	17.2	25.8#
125	121.3	8.1	12.1#





#89

Benzo(a)pyrene

Concen: 0.003 ng

RT: 23.79 min Scan# 3571

Delta R.T. -0.02 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

Instrument :

BNA_M

ClientSampled :

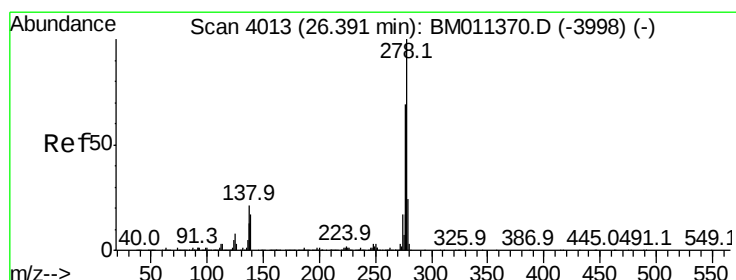
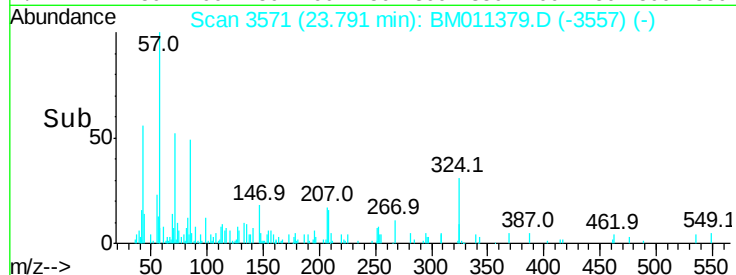
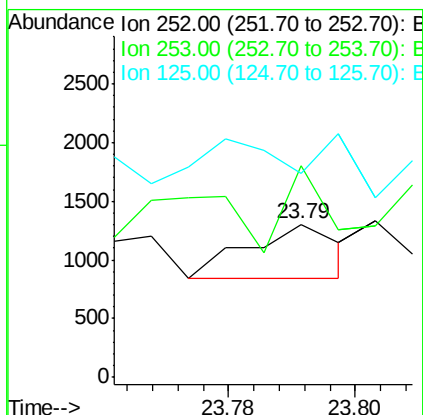
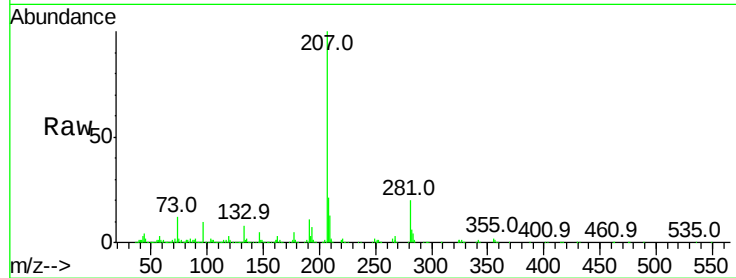
Tot Ion:252 Resp: 464

Ion Ratio Lower Upper

252 100

253 138.5 17.6 26.4#

125 133.6 7.4 11.2#



#90

Dibenzo(a,h)anthracene

Concen: 0.006 ng

RT: 26.38 min Scan# 4011

Delta R.T. -0.01 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

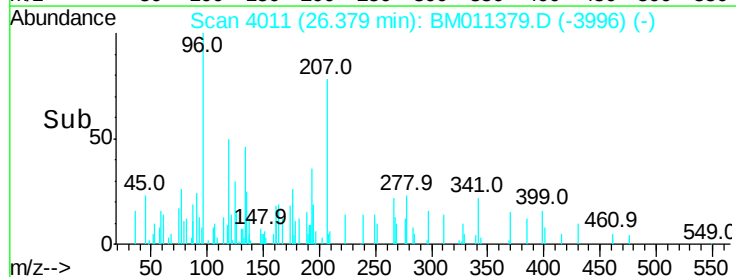
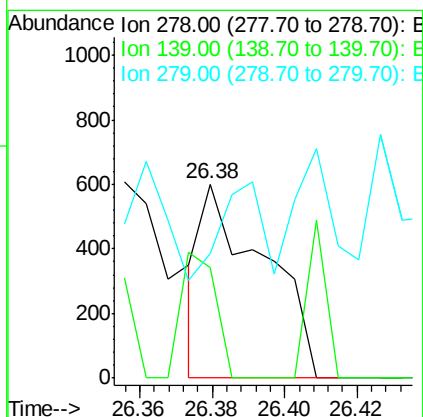
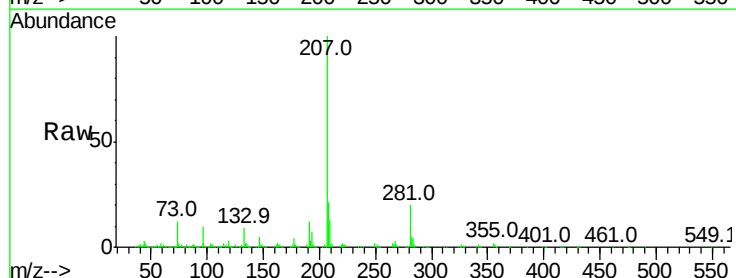
Tgt Ion:278 Resp: 724

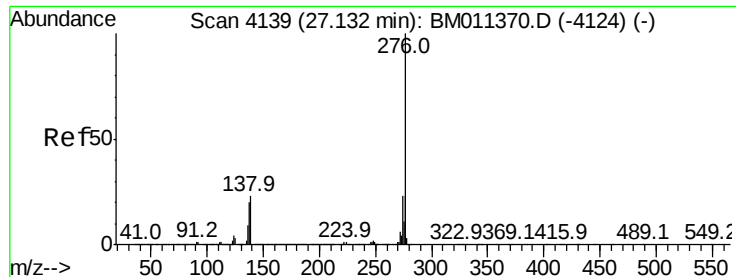
Ion Ratio Lower Upper

278 100

139 57.3 13.4 20.0#

279 64.5 19.0 28.4#





#91

Benzo(a,h,i)perylene

Concen: 0.005 ng

RT: 27.12 min Scan# 4137

Delta R.T. -0.01 min

Lab File: BM011379.D

Acq: 31 Aug 2017 19:31

Instrument :

BNA_M

ClientSampleId :

Tot Ion: 276 Resp: 629

Ion Ratio Lower Upper

276 100

277 0.0 18.5 27.7#

138 0.0 19.0 28.6#

